	ACT 64/RCRA INSPECTION REPORT	No Land Bun Yet
.D. Number (U.S. EPA	or Michigan) MID 9805	<u>6876</u>
FACILITY NAME	Ford Motor Co Allen Park C	lay Mine
Mailing Address	Dearborn (Allen Park)	Michigan 48/20 Zip Code
DATE 3-29-99	TIME (from)	(to) 23 /25.
PERSON(S) INTERVIEWED  David A. Kno	tson Site Manager Trainee	TELEPHONE # (3/3) 390-3209
*		
*		
INSPECTOR(S)	MD.V.2 - WAID	TELEPHONE #
Chris Silva	MU. ( = 1,000)	11
Jim Frest		-,
	A Lanfill that is: this Facility: Non accepting	non-har FMC wastes;
Primary Business of	eneral and possible amendment	to accept both FMC
License of terrie	La later	
Do you discharge a be a RCRA regulate	process wastewater to the local indicated hazardous waste?    Yes not for from the local in her hazardous waste?	
	1 and by from ald life innit non ha	ie. CEUS, Vainwall of runot from

Reason for Inspection: Leachate from old haz. and non haz. cells; vainwater runoff from hew and old cells; Leachate from new nonhaz cell; Truck wash

Follow-up

PR5122

Routine

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## Act 64/RCRA Inspection Report

Based upon the inspection, this facility:	FORM
does not generate any hazardous waste	
conditionally exempt small quantity generator	Ē
small quantity generator inspection form	-A
generator inspection form generator tank(s) system inspection form	B -B1
transporter inspection form	С
boilers and industrial furnaces	¥
permitted TSDF  treatment/storage/disposal facility (Subpart A-E & I)	D1 D2 D3 D4 D5 D5 D6 D7
INTERIM STATUS TSDF  treatment/storage/disposal facility (Subpart A-E & I)	D9 D1 D10 - D2 D11D11D12D14D14
COMMENTS: Facility is I	

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6	d) Containers holding free liquids, including lab packse) Waste which will do the following:		
	(I) Adversely effect the permeability of the clay liners.	<del></del>	-
	(II) Produce a leakage incompatible with the synthetic liner and leachate collection system, discharge piping and off-site sewer system.	<del></del>	
	(III) Generate gases which will adversely effect the		
	(IV) Create a violation of the 1975 PA 348 (clean air act) and rules promulgated there under.	<del></del>	
	f) Waste which are banned from landfilling unless a variance is obtained from this ban from the regional administrator of EPA.		
3.	If Land Ban waste, has FMC submitted a revised Waste Analysis Plan to the Chief of the Waste Management Division (WMD) which describes the procedure to be used to ensure that these waste are not landfilled.	1	A
	Note: The plan should be submitted for approval 60 days prior to the effective date of such rules. If the effective date is less than 60 days from the promulgated date, the licensee should submit the revised plan no more than 60 days upon which such rules are finalized.		
4.	Are all waste coming and being accepted placed in a closed container or otherwise totally contained or covered during		A
	transportation. YN	/	V/E
C.	Landfill Construction and Design Specifications The licensee shall do the following prior to		The second se
	constructing cell 2.	YES	NO
a)	less than six meter of soil with a maximum permeability of 1.0 X 10(-6) (0.000006) cm/sec, or equivalent base approved by Chief of WMD as required under R299.9603.	<u> </u>	/ <u>:</u>
	ate: 3-29-94  ) Did FMC submit documentation for approval by the Chief	YES	NO
b)	of the WMD within 60 days of the effective date of this		
	assurance plan (attachment) was followed during removal of the water from the bottom of the cell 2 to prevent		
	basal heave. If the quality assurance plan is not followed, the FMC will be required to furnish some more		

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	information that the natural clay meets the requirement of Act 64.	<u></u>	
	Did FMC submit a plan for approval, by the chief of the WMD, within 60 days of the issuance of the license to construct and evaluate a test fill which demonstrates that the proposed design can be constructed in accordance with the approved plans and specification, (attachment 7) and will perform in accordance with the basis of design.		
d)	Has FMC submitted the result of the test fill evaluation and received approval by the Chief of WMD, that the test fill evaluation required in C.I.c. has demonstrated that constructibility and performance of cell 2.	V	
e)	Has FMC submitted a plan for approval, by the Chief of the WMD, within 60 days of issuance of this license for obtaining additional soil shear strength detail below and lateral, to cell 2 and re-evaluation of the stability of the design slopes.	V	<del></del>
f)	Has FMC submitted the data and slope stability evaluation and received approval from the chief of the chief of WMD, that sufficient data has been obtained and the evaluation demonstrates an adequate degree of stability for the design slopes.		
	i. If this evaluation does not demonstrate an acceptable factor of safety, has FMC revised engineering plans and design specification submitted which reflects a new design of the slopes.		MA
2.	For cell 2, has FMC designed, constructed, operated and maintained a liner system which complies with R. 299.961 $y$	9	
a)	Does the liner include: A leachate collection and removal system to collect and remove leachate from the landfill.  Y N 2/	18/92	
Dat	e: 3-29-94		

- b) A composite primary liner which consist of the following:
  - i) A top component consisting of HDPE synthetic liner which is minimum of 80 mils thick that prevents waste

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		from passing into the liner during active life of the facility.	
i	i).	A broken component consisting of compacted clay which is minimum of 150 centimeters thick.	
c)	A l	eachate detection and collection and removal system.	
d)	A s whi	econdary liner consisting of HDPE synthetic liner ch is a minimum of 60 mills thick.	
3. I	(s t	The liner required in condition C.2:  Designed and installed in accordance with the specification included in attachment 9 and based on requirement detailed in Michigan Act 64, Rule 299.9621(1)(c) and 299.9620(2).	
	b)	Sloped not less than 2% at any point and drain to leachate collection (or leak detection) liners or sumps.	***
	comp line with	FMC submitted a program for demonstrating patibility of leachate with the specified synthetic er and all other construction material to be used nin 21 days of the effective date of this license.  Y N	
	(	Was the approved compatibility testing program conducted and the result evaluated with respect to the basis of the design requirements. $Y$ $N$	
	lea	FMC designed, constructed, operated and maintained a chate collection and removal system to collect and ove leachate from the landfill.	
	a)	For cell 1, has FMC assured all of the following: YES  i) That the leachate collection system is maintained, inspected, and operated to maintain a leachate head on the liner of 12 inches of less.  4 Manually project 2/18/9:	NO / 
Dat	te:_	3-29-94 YES	NO
		ii) That the flow volume is continuously recorded.	
	ь١	For call 2 has FMC assured all of the following:	

i) That leachate collection system for the cell possess a hydraulic conductivity of 1 X 10 to

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power -2 cm/sec and a transmissivity of at least 3 X 10 to power -1 cm squared per second and are composed of that drainage media specified in attachment 9 or other media approved by the director.

Yes No

ii) That the leachate collection system include a system for collecting and draining leachate from the side walls of each cell. \_ \_

iii) That leachate system is maintained, inspected, Rammater's purped into and operated to maintain a leachate head on the Detroit Sever System primary liner of 12 inches or less.

iv) That the leachate collection sumps have a volume not less than 4000 liters and are accessible for removal of leachate and as necessary for maintenance of the leachate removal system. The sumps shall be constructed of material compatible with the leachate formed in the landfill.

v) The daily cover and waste placement in the cell are done in such a manner that the flow of leachate in the collection system to the sump is not prevented.

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vi) That flow volume removal are continuously recorded.

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c) For cell 2, are leachate removal and collection constructed according to attachment 7 and the specification contained in attachment 9.

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6. Has FMC design, constructed and operated a leak detection, collection and removal system beneath the primary liner of all cells.

-Is the system capable of detecting and removing any migrating liquid through the cells, including sidewalls and including the volume and quantity of such liquids.

2/18/92

ate: 3-29-94

29-94

YES

-Does the drainage media of the leak detection, collection and removal system meet those specification outlined in attachment 9 of this license or other specification approved by the Chief of WMD.

NO

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Run-on, Runoff, And Contaminant Control.

- Did the licensee -

-	Construct, operate and maintain a run-on control system capable of preventing flow to the active portion of the facility during peak discharge from at least a 24 hour, 25 year storm.  YN
<del></del>	Divert runoff from non-active portions of the site to drainage ditches as specified on the engineering plans (Attach. 7)
-	Collect and control the water volume resulting from active section of the facility from at least a 24 hour, 100 year storm. Note: This runoff shall be discharged in accordance with the Federal Clean Water Act and 1929 PA 245.
	YN
	Does the licensee require:
	That all waste delivery truck traffic within the active cell be on a pavement or clean daily-cover to ensure that the contaminant are not carried out of the cell to the haul road.  Does the licensee operate and maintain a vehicle wash
	Does the licensee operate and maintain a vehicle wash facility?
_	If yes Does the licensee ensure that vehicles traveling on active portion of the site are cleaned and decontaminated at the facility before leaving the activity area.
	D 3 a a li 6 2/18/92
Da	te: 3-29-99 Waste Placement
_	Does the licensee: Only place waste in the portion of cell 2 for which certification has been approved by a registered professional engineer.  YN

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	Assure that the containers are at least 90% full when placed in a landfill, or crushed, shredded or simply reduced in volume to the maximum practical extent before burial in a landfill. If crushed in a landfill site, containers shall be crushed only in a landfill cell which is fully certified by a registered professional engineer.  Y N
<b></b> ,	Record the contents, quantity, and location of each daily waste deposit in the operating log. NOTE: This information shall be recorded on a map or diagram of each cell of disposal area and shall include cross reference to specific manifest document numbers.  YN
F.	Environment And Human Health Standards
-M. CO	Does FMC operate the facility in a manner that will prevent all of the following: Danger to human health, welfare or the environment.
	YN
<b>_</b>	Violation of the Federal Clean Water Act as amended and Michigan Water Resource Commission Act.
	Y
	- Air emission in violation of Federal Clean Air Act, as amended, the Michigan Air Pollution Act.  YNNN
<b></b> •	- Exposure of humans or the environment to harmful quantity of hazardous waste or hazardous waste constituents.
	Y NN
	- Pollution, impairment or destruction of the natural resources of the state.
	7
- -	ate: 3-29-99  Does the licensee place at least 15 cms of clean soil or other material approved by the Chief of Waste Management Division over the waste at the end of each working day.  YN
	YN
D	oes FMC effectively: Control Fugitive dust emission, in the manner approved by

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	FORD ALLEN PARK CLAY MINE
t	the Chief of Waste Management Division.  FORD ALLEN PARK CLAY MINE  For haz.  Cell that is not cell that is not peratural present.  Y. N. operatory at present.
- T	Control all paved roads and make sure they are cleaned at least once during the days operation by a mechanical vacuum sweeper or other means approved by the Chief of Waste Management Division.
	Does FMC operate the vehicle wash facility at the landfill in such a way that aerosol sprays and other atmospheric emissions generated therefor do not result in a violation of the 1965 P.A. 348 as amended.
wor	Does FMC operate all vehicles in a manner which minimizes the contamination of on-site haul roads. $ Y = N = N $ the contamination of on-site haul roads. $ Y = N = N $
	How does the facility handle the sludge from the wheel wash sump? Recycle and Reclaim the whole - No haz. white is being generated yet.
	Note: The sludge should be handled as listed hazardous waste for those waste types accepted at the facility Generator requirements.
-	Does FMC maintain an inspection log for all vehicles leaving the poes this facility for the past six months.  Y_N
alité	Do these records indicate that there is any visible waste in the cargo section of any vehicle leaving the facility.
Da No	ate: 3-29-99  ote: If there is waste in the cargo the facility should  take all steps necessary to assure that all waste is  removed from the vehicle prior to leaving the facility.
G.	Partial Closure
1	. Close the landfill in accordance with plan 13/ of attach- $\frac{1}{\sqrt{1000}}$

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7,5, & schedule. and specification of attachment 9.	
<ol> <li>Is there an established shallow rooted grasses or is there a plan to start one in the earliest possible time to maintain the vegetation so as to stabilize the cap and prevent erosion</li> </ol>	NA
3. Has FMC submitted, to the director, a detailed partial closure plan consistent with the license for each portion of Cell 2 at least 180 days before the expected date of partial closure.	NA
What is the expected date of closure 8-10 years	
H. Final Closure	
<ol> <li>FMC shall complete final closure in accordance with the schedule, engineering plans, and specifications of attachments 5,7, &amp; 9.</li> </ol>	·
FEDERAL PERMIT CONDITIONS	
Are waste minimization certifications maintained as part of the operating log? (264.73(b)(9) (I. Standard Condition G.5.)	ne
Yes No $NA$	•
Huz, waste cell isn't operating yet	
Does the permittee certify at least annually that they have a in-place to reduce the volume and toxicity of hazardous waste as specified in I. Standard Condition H.  Yes No	program generated
Date: 3-29-94	2/18/92
Does the Permittee comply with all the applicable land dispos prohibitions of 40 CFR 268? (II. Land Disposal Restrictions)	sal
P	

Engineer assigned to the facility. (Rich Traub, US EPA Fermit Unit Supervisor (312) 886-6136. He is the contact for determining appropriate Engineer assigned.)  JSEPA Permit Engineer:  Status Update from USEPA:	
Inspection results: Facility is IC. Not get operating New this waste	Discuss corrective action status with the appropriate US EPA Permit Engineer assigned to the facility. (Rich Traub, US EPA Permit Unit Supervisor (312) 886-6136. He is the contact for determining appropriate Engineer assigned.) USEPA Permit Engineer: Status Update from USEPA:
Inspection results: Facility is IC. Not yet operating New Haz waste  Cell #2  1	
	Inspection results: Facility is IC. Not yet operating New Hor Waste
	<u> </u>

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## PERMITTED LANDFILL INSPECTION FORM

	3-29-94 1.D. # MID 980568711	Par	SPECTIO t 6 Ru 4. 64 o	les	
Rule	619 refers to 40 CFR, Part 264, Subpart N, 264.30	0-264.	351		
		ation ass	Yes	<u>No</u>	N/A
	DESIGN AND OPERATING REQUIREMENTS (28	.4.30 <u>1</u> )			
1)	Any landfill (except a new landfill, new unit, replacement, or lateral expansion at an existing landfill) must have:				
	a) A liner which is constructed and installed to prevent migration of waste. The liner must be:				
	<ol> <li>Constructed of materials that have appropriate chemical properties, sufficient strength and thickness. (264.301(a)(1)(i))</li> </ol>	(I)	<u>[ [</u>		
	ii) Placed on a foundation or base capable of providing support and resistance to pressure gradients. (264.301(a)(1)(ii))	(I)	15		
	iii) Installed to cover all surrounding earth likely to be in contact with waste or leachate. (264.301(a)(1)(iii))	(I)		<u></u>	
	<ul> <li>b) A leachate collection and removal system immediately above the liner. (264.301(b))</li> </ul>	(I)	<u>i_</u> ]	. <u> </u>	
	OR				
2)	Received an exemption from the existing liner requirements from the Director. (264.301(b))	(I)	[_]		$\underline{\nu}$
Com	ments:				
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				PR:	5122-11

(rev. 05-24-90)

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		Violation <u>Class</u>	Yes	<u>No</u>	N/A
3)	The owner/operator of a new landfill, new unit, replacement, or lateral expansion at an existing landfill must have:				·.
	a) Met the requirements of R 299.9620(2). (Rule 619(2))	(N/A)	14		
	b) Two or more liners. (264.301(c))	(I)	15	<del></del>	<del></del>
	<ul> <li>c) Leachate collection system above and between liners. (264.301(c))</li> </ul>	(I)	[2]		***
	ar				
	d) Approval for alternate design from Director. (264.301(d & e)	(1)	[_]		1/
4)	Operates and maintains a leak detection, collection and removal system between the liners as per R 299.9622. (Rule 619(3))	(N/A)		e <u></u>	
5)	The owner/operator must operate and maintain a run-on control system to stop flow onto active portion (minimum 25-year storm). (264.301(f))	(I)	四	<del></del>	
6)	The owner/operator must operate and maintain a run-off system to collect and control water (minimum 25-year storm). (264.301(g))	(I)	ιIJ	/ 	
7)	Were collection and holding units (ex: tanks) for run-on and run-off emptied or other wise managed right after a storm. (264.301(h))	(I)	( <u>L</u> 3	/ 	
8)	If landfill is subject to wind disposal is it covered or controlled to stop wind dispersal. (264.301(i))	(I)	[_]		<u> </u>
Com	nents:				
	MONITORING AND INSPECTIONS	(264.303)		·	
9)	During installation were liners and cover systems inspected (ex: uniformity, damage, etc.) (264.303(a))	(I)	ιIJ	/ 	

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			Violation <u>Class</u>	Yes	<u>No</u>	N/A
10)		ediately after construction or installation liner(s) or cover system(s) were:				
	a)	Synthetic cover and liners inspected to ensure:				•,
		i) Tight seams and joints. (264.303(a)(1	.)) (I)	<u> [ [</u>	**************************************	****************
		<pre>ii) Absence of tears, punctures or bliste (264.303(a)(1))</pre>	ers. (I)	<u>r 🗹</u>		
	b)	Soil-based and admixed liner and covers inspected for imperfections (ex: lenses, cracks, root holes, etc.) (264.303(a)(2)			<del></del>	
11)		le a landfill is in operation, was it $\mathcal{N}$ $\mathcal{N}$	yet in op	eration		-
	a)	Deterioration, malfunction or improper operation of run-on and run-off control systems. (264.303(b)(1))	(1)	[_]	-	1
	р)	Proper functioning of wind dispersal system. (264.303(b)(2))	(I)	[_]		<u> </u>
	c)	Presence of leachate in and proper functioning of leachate collection and removal system. (264.303(b)(3))	(I)	[_]		4
		SURVEYING AND RECORDKEEPING (	264.309)			
12)	Doe fol	is the owner/operator maintain the $N_{\rm of}$ ye lowing in the operating record:	t in opera	tion b	ut vega	-13
	a)	A map of each cell (location & dimension). (264.309(a))	(I)	[_]	<del></del>	<u></u>
	Ь)	Contents of cell and location of each waste type. (264.309(b))	(I)	[_]		/
Com	nents	5:				
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		Violation <u>Class</u>	<u>Yes</u>	<u>No</u>	N/A
	SPECIAL REQUIREMENTS FOR IGNITABLE OR REA	ACTIVE WASTE	(264.	312)	
13)	Ignitable or reactive waste must not be placed in a landfill unless:				
	a) The waste is treated, etc. before or after placement in the landfill so:				
	i) The waste/mixture is no longer ignit able or reactive. (264.312(a)(1))		[_]		
	ii) Taken precautions to prevent reaction which generate extreme heat, fire, gases, damage the facility, or other like means that threatens human heat & environment. (264.312(a)(2) refere to 264.17(b))	lth	[_]		<u></u>
	EXCEPT				
	b) Ignitable waste in containers is protected for conditions/material which may cause it to ignite or react can be landfilled. (264.312(b))	(I)	[_]	-unit h <sub>a</sub> n injustic suppoper all	<u>/</u>
	SPECIAL REQUIREMENTS FOR INCOMPATIBLE	E WASTES (28	4.313)	_	
14)	Incompatible wastes must not be placed in the same landfill cell unless 264.17(b) is complied with. (264.313)	(1)	[_]		<u> </u>
	DISPOSAL OF SMALL CONTAINERS OF IN OVERPACKED DRUMS (LAB PACKS		STE		
15)	Small containers in overpack drums may be landfilled if:				
	a) Containers are:				,
	i) Non-leaking. (264.316(a))	(I)	[ _]	-	4
	ii) Won't react, ignite or dangerously decompose with other container wast (264.316(a))	e.	[_]		4/
	iii) Container uses meets DOT and is sealed. (264.316(a))	(I)	[_]		<u>U</u>

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			Violation <u>Class</u>	Yes	<u>No</u>	N/A
	b) Ove	rpack is:				
	i)	Meets DOT. (264.316(b))	(I)	[_1		-1/
	ii)	Maximum 110 gallons. (264.316(b))	(I)	ť _J		
	iii)	Sufficient absorbent used that will not react, ignite or dangerously decompose with waste. (264.316(b&c)	) (I)	t _]		<u> </u>
16)	Were in	ncompatible wastes placed in ontainer. (264.316(d))	(I)		[_]	i
17)	Were re or sulf	eactive wastes (other than cyanide fide bearing) treated. (264.316(e))	(I)	[_]	<del></del> -	1/
		SPECIAL REQUIREMENTS FOR HAZARDOUS LEGAL FO22, FO23, FO26 AND FO27.	WASTES F020, (264.317)	F021,		
18)	F027 p	020, F021, F022, F023, F026 and laced in a landfill without an ed plan from the Director. 17(a))	(1)	<del></del> .	[_3	V
		CLOSURE AND POST-CLOSURE CARE	(264.310)			
19)	landfi	e owner/operator close the 11 in compliance 264.310 and R 299.619(5).	(I)	[_]		V
Come	ments:					
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# PERMITTED TREATMENT/STORAGE/DISPOSAL FACILITY INSPECTION FORM

acility's Name $FMC$	Allen Park Clay 1.0. # MID 980	Mine 568711	INSPECTION FORM D Part 6 Rules P.A. 64 of 1979
nis facility, in addi Generates Hazardo Transports Hazard			
his facility: Accepts waste fro Handles only its	m off-site source: own waste	5	
f applicable, hazardoContainer(s) (druTank(s) (also uWaste pile(s) (also uSurface ImpoundmentMiscellaneous Un:	ums, totes, FDIITU use Form D2) ulso use Form D4) ent(s) (also use	Form .D3)	Number of units
f applicable, hazardo Surface Impoundme Waste pile(s) (a Land treatment ( Incinerator (al Aboveground tank Underground tank Container(s) Miscellaneous Un	ent(s) (also use lso use Form D4) also use Form D5) so use Form D7) (s) (also use Form (s) (also use Form	n D2) rm D2)	
f applicable, hazaro Surface Impoundm Land treatment Landfill (also under the control of the con	dous waste are dis ment(s) (also use (also use Form D5 use Form D6)	posed in: Form D3)	
•	WASTE	STREAM(S)	
1AZARDOUS WASTE # CODE/NAME	SOURCE	TYPE OF STORAGE	HOW MUCH/ TIME PERIOD

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## Treatment/Storage/Disposal f ility Form D

HAZARDOUS WASTE # CODE/NAME	<u>SOURCE</u>	TYPE OF <u>Storage</u>	HOW MUCH/ TIME PERIOD
_AND BAN WASTE	YES 🗸	NO	and the same of th
Iomments: Liner is	completed but	operation of haze	accept other than
Facility has apparent	y orban Hed new 1	icence application to	accept other than
FMC haz waste.	This effectually si	tarts the whole per	eniting process over
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			Violation Class	<u>Yes</u>	No	N/A
	Ē	ENVIRONMENTAL AND HUMAN HEALTH STANDARDS GE	ENERALLY	(Rule é	02)	
1.		the TSDF operated in a manner that will vent the following:				
	ā)	Violations of Federal Clean Water Act or Act 245. (Rule 602(1)(a))	(N/A)	[_]		1
	ם)	Air emissions in violation of the Federal Clean Air Act or Act 348. (Rule 602(1)(b		[_]		
	⊂)	Degradation, as defined in act 245, of a sole-source aquifer. (Rule 602(1)(c))	(N/A)	C_1		<u>/</u>
	d)	Exposure of humans or the environment to harmful quantities of hazardous waste/constituents. (Rule 602(1)(d))	(A\A)	[_]		
	e)	Pollution, impairment or destruction of n resources of the state. (Rule $602(1)(e)$ )		[]		<u>/</u>
		FACILITY DESIGN AND OPERATING STANDA	RDS (Rule	<u>604)</u>		
2.	Ιf	applicable, are the following maintained.a	t the TSDF			
	a)	A run-on control system for a 24-hour, 25 storm. (Rule 604(1)(a))	5-year (N/A)			
	þ)	A run-off management system for a 24-hour 100-year storm. (Rule 604(1)(b))	-, (N/A	) [1		
	⊂)	Systems to prevent hazardous waste/constitution escaping. (Rule 604(1)(c))	ituents (N/A	193		
Rule	e 605	5 refers to 40 CFR 264, Subpart B, 264.10-2	264.18			
		GENERAL FACILITY STANDARDS (264	.11 & 264.	12)		
ঽ.	Doe	es the facility have an EPA id #. (264.11)	( I	) [_]		
4.	Ιf	required, have the following been notified	d:			,
	a)	Director of receipt of hazardous waste factorign source. (254.12(a))	rom	) [.]		<u> </u>
	5)	The generator that the ISDF has permit(s and will accept the generators waste (collecters in operating record). (254.12(b)	py of	) [_]		<u>/</u>

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	Violat Clas		Yes	No	N/A
	c) Director on change in owner/operator. (264.12(c))	II)	[_]		L
	GENERAL WASTE ANALYSIS (264.13)				
5.	Has the owner/operator obtained a detailed chemical and physical analysis of the waste. $(264.13(a)(1))$	(1)	[_]	<del></del>	+
Ó.	If necessary, has analysis been repeated to ensure it accurate. $(264.13(a)(3))$	(I)	[_]		1
7.	If necessary, is waste received from off-site inspected/analyzed to determine if it matches the manifest. $(264.13(a)(4))$	(I)	[_]		1
8.	Does the owner/operator have a detailed waste analysis plan on file at the facility,	( I )		yet met	operations -
	Does the plan include:				
	a) The parameters to analyze waste. (264.13(b)(1))	(I)			
	b) Test and sampling methods. (264.13(b)(2&3))	(1)	4/2		
	c) Frequency initial analysis will be reviewed or repeated. (264.13(b)(4))	(I)			
	d) Off-site waste analysis from generator and any additional analysis required. (264.13(b)(5&6))	(I)			
	e) For surface impoundments, exempt from land disposal restrictions under 268.4(a), the following schedule and procedures:			_	
	i) Sampling of impoundments.(264.13(b)(7)(i))	(I)	[_]		
	ii) Analysis of test data and annual removal of residues. (264.13(b)(7)(ii&iii)(A)(B)(1-2))	(I)	· [_]	<del></del>	
9.	Does the waste analysis plan specify procedures for inspection and analysis of each off-site waste to ensure that it matches the manifest. $(264.13(c))$	: f )	ſΥ	Accompany to the state of	
Camu	ents:	• • • • • • • • • • • • • • • • • • • •			. <del></del>
		<del></del>			
		<del>-</del>			

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		Violation <u>Class</u>	Yes	<u>No</u>	<u>N/A</u>
	SECURITY (264.14)				
.0.	Is unknowing entry prevented into active portional (unless demonstrated to Director the physical and disturbance will not cause a violation), to	contact			
	a) 24-hour surveillance. (264.14(b)(1))	(I)	[_]		1
	OR				
	b) Artificial or natural barrier and control entry. (264.14(b)(2)(iⅈ))	led (I)			
	c) Danger sign(s) at entrance. (264.14(c))	(I)	[_]		
	GENERAL INSPECTION REQUIREMENTS	(264.15)			
11.	Does the owner/operator inspect the facility malfunctions, deterioration, operator errors discharges of hazardous waste that may effect human health or the environment. (264.15(a))	and :	( 4)		
12.	Does the owner/operator have a written inspec schedule kept at the facility with the follow (264.15(b)(1&2))	ction ving:	V	/	
	a) Monitoring equipment. (264.15(b)(1))	(II)	[_3		
	b) Safety & emergency equipment. (264.15(b)	(11)	[2]		
	c) Security devices. (254.15(b)(1))	(11)	1. <u>4</u> 5		
	d) Operating and structural equipment (i.e.: dikes, pumps, etc.) 264.15(b)(1)	) (II)	[2]	, 	
	e) Types of problems to be looked for (i.e. fittings, eroding dike, etc.) (264.15(b	: leaky )(3)) (II)		/ /	
	f) Inspection frequency based on: (264.15(b	)(4)) (11)		· / —	
	i) Possible deterioration rate of equip	ment. (II		,	
	ii) Areas subject to spills daily.	(11	) [-]		
13.	Does the owner/operator keep a record of ins in an inspection log at the facility that could the following: $(264.15(b)/2) \& (d)$	pections ortains			
	i) Date and time of inspection.	([]		/ ·	

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Treatment/Storage/Disposal Facility
Form D

e e			Violation Class	Yes	<u>No</u>	N/A
	íí)	Name of the inspector.	(II)		<del></del>	
	iii)	Notation of observations made.	([])			
	iv)	Date and nature of repairs or other remedial actions.	(II)	1/2		
14.	structu the pro human b or alre	alfunctions/deterioration of equipment ures remedied on a schedule which ensuroblem does not lead to an environmental health hazard. And where a hazard is imeady occurred remedial action is taken ately. (264.15(c))	res that or nminent	c W		
Comm	ents: .	Old Haz. Landfill on site may be leaking o	and is being	moni	-ored	
		Liquid in discharge line containment syste				
			,			
,		PERSONNEL TRAINING (264	.16)			
15.	Do per	sonnel training records contain the fo				
		b title? (264.16(d)(1))	(11)	[ ]		
		ob descriptions? (264.16(d)(2))	( I I )	[ 4		
		ame of employee filling jobs? (254.16(	d)(1)) (II)	14	· 	
	d) D∈	escription of type & amount of both int nd continued training? (264.16(d)(3))	roductory			
	fa	s training designed to ensure that acility personnel are able to respond ffectively to emergencies? (264.16(a)(3	3)) (I)	εĽ		
	d) Re	ecords of training? (254.16(d)(4))	([]])	$\mathcal{C}$		
	e) Do	o new personnel receive required raining within 6 months? (264.15(b))	( I )	<b>ι √</b> 1	<del></del>	
	Þ	o personnel training records indicate mersonnel have taken part in an annual eview of initial training? (264.16(c)				
۱۱۱۵ ک	uments:					

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			Violation Class	Yes	<u>No</u>	NZA
GENE	RAL	REQUIREMENTS FOR IGNITABLE, REACTIVE OR IN	NCOMPATIBLE	WASTE	(25	4,17)
		equired, are the following taken:				
	a)	Ignitable/reactive waste separated and protected from ignition sources with 'No smoking' signs. (264.17(a))	( I )	(_)		~
	b)	Precautions to prevent reactions which generate extreme heat, fire, gases, damag facility, or other like means that threat human health & environment. (264.17(b))	ens	C _3		4
	⊂)	Are actions taken in b, documented. (264.	17(c)) (I)	[ _]		<u>_i/</u> .
Rule	506	refers to 40 CFR, Subpart C, 264.30-264.3	57			
		PREPAREDNESS AND PREVENTION	(264.30)			
	min or was	the facility maintained and operated to imize the possibility of fire, explosion, release of hazardous waste or hazardous te constituent? (264.31)		ELY		
18.		required, does this facility have the foll ipment:	lowing			
	a)	Internal communications or alarm systems? (264.32(a))	(1)	[_]	******	<u>\( \lambda \) \</u>
	Ь}	Telephone or 2-way radios at the scene of operations? (264.32(b))	(1)	[_]		<u>/</u>
	c)	Portable fire extinguishers, fire controspill control equipment and decontaminat equipment? (264.32(c))	ion (I	i (d		
	d)	Adequate volume of water and/or foam available for fire control? (254.32(6))	( I	) [L]		
19.	ĩe	sting and Maintenance of Emergency Equipme	ent:			
	a)	Does the owner or operator test and maintain emergency equipment to assure proper operation? (254.37)	1.1	) 1/2		
Come	ment	5:				

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٠.			Violation <u>Class</u>	<u>Yes</u>	<u>No</u>	M/A
	Ь)	Has owner/operator provided immediate access to internal alarms? (264.34(a&b)	)			
		<ul><li>i) When hazardous waste is being poured, mixed, etc.</li></ul>	(I)	[_]		
		ii) One employee on the premises while facility is operating.	(1)	[_]		/
	⊂)	Is there adequate aisle space for unobstructed movement for personnel and emergency equipment? (264.35)	(1)	[_]		
Comme	ents	;			<u></u>	
Rule	607	refers to 40 CFR 264, Subpart D, 264.50-		4.50)		
20.		es the contingency plan contain the llowing information:				
	a)	The actions facility personnel must take in response to fires, explosions, or any unplanned release of hazardous waste? (See any PIPP or SPCC plan that can be added to.) (264.52(a)&(b))	(1)	(L	<i>,</i> 	
	ь)	Describe arrangements or attempts to make arrangements agreed to by local police and fire departments, hospitals, contractors, and state and local emergency response teams to coordinate emergency services. pursuant to (254.52(c)) & (264.37)(a))?	· (II	् स्	<u>-</u>	
		If local or state authorities decline to enter into such arrangements is the refusal documented. (254.37(b))	( [ ]			
	c)	Names, addresses and phone numbers (office and home) of all persons qualified to act as emergency coordinator? (254.52)(d))	11)	, <u>[</u>	/	

		·	

			Violation <u>Class</u>	Y'ES	<u>No</u>	N/A
	d)	A list of all emergency equipment at the facility which includes the location and physical description of each item on the list, and a brief outline of its capabilities? (264.52(e))	( I I )			
	e)	An evacuation plan for facility personnel if evacuation could be necessary? (This plan must describe signal(s) to be used to begin evacuation, evacuation routes and alternate evacuation routes.) (264.52(f))	(11)	ιΔ		
21.	Eme	rgency Coordinator and Emergency Procedure	<b>≘s:</b>			,
	ā)	Is coordinator familiar with all aspects of site operation and emergency procedures? (264.55)	(11)			
	ם)	Does the emergency coordinator have the authority to carry out the contingency plan? (264.55)	(II)	[ LX		
	⊂)	If an emergency situation has occurred at this facility, has the emergency coordinator followed the emergency procedures? (264.56)	(I)	,	,	
22.	Pla	an Amendments and Copies:				
	a)	Has the contingency plan been amended to reflect changes in regulations, plan factor changes in the facility, list of emergency coordinators, changes in emergency equipment? (264.54)	. (II)	r by	/	_
	Ь)	Are copies of the contingency plan available on site and local emergency organizations? (264.53)	(11)	رياً	/	
Com	men t	5:				
·						
1.00	<u></u>		and the second second second second second second			
					<del></del>	

			'iolation Class	Yes	<u>No</u>	N/A
		USE OF MANIFESTS (Rule 508: 40 CFR 25				
23.	If th	ne facility receives hazardous waste apanied by a manifest, does the facility:	Not		o te	1
	a) 9	Gign & date each copy. (608(1)(a): 264.71(a)(1))	( I )	<u>[C_3</u>		~
	) (d	Note any significant discrepancies. (608(1)(b): 264.71(a)(2))	(I)	[_]		u
	⊂)	Give the transporter 1 signed copy of the manifest. (608(1)(c): 264.71(a)(3))	(1)	[_]		1
		Copy sent to generator w/in 30 days and mDNR w/in 10 days after the end of the mon in which the waste was received. (608(1)(d	(&f):			
		264.71(a)(4))	( [ )	[ _]		V
•	e )	Retain copy on-site. (608(1)(e): 264.71(a)	(5)) (I)	[_3		-
24.	ship	applicable, comply with requirement for buld ments of hazardous waste by rail or water asporter. (608(2): 264.71(b))		) [_]		/
25.	disa	ify the Director if a significant crepancy is not corrected with the erator with in 15 days. (608(4): 264.72))	(I	) <b>[_]</b>		<u></u>
		RECORDKEEPING (Rule 509: 40 CFR 254.73	<u>&amp; 264.74</u>	<u>)</u>		
26.	Doe	s the owner/operator maintain an operating site with the following information record	record ed.		وسد	
	<b>a</b> )	Description and quantity of hazardous was received and method(s)/ date of its treat storage or disposal. (609(1)(a): 264.73(b)	ment,	) [_]		<u> </u>
	p)	Location & quantity of each hazardous was the facility (cross-referenced to specifimanifest #) on a map. (509/1)(b):254.73(b	. C		l	<u>1</u>
	( ت	Records and results of all waste analysis trial tests, monitoring data, and operate inspections. $(509(1)(c): 264.73(5)(3))$	٥r	[ ] [ <u>[</u>	]	
	۵J	Reports detailing all incidents that requiremplementation of the Contingency Flan. $(509(1)(d): 254.73(d)(4))$		I) E	ī	<u> </u>

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	Viola Cla	tion ss_	Yes	<u>No</u>	N/A
e)	Records & results of inspections in 264.15 (question 11). $(609(1)(e): 264.73(b)(5))$	(11)			<del></del>
ŕ)	If required, monitoring, testing or analytical when required by construction permit or operating license. (609(1)(f): 264.73(b)(6))	(II)	ιΔ		ATT PROPERTY.
g)	Notices to generator (question 4) and records or rejected loads. (609(1)(g&h): 264.73(b)(7))		[_]		<u> </u>
h)	Closure and post-closure cost estimates. $(609(1)(j): 264.73(b)(8))$	(II)			and the state of t
i)	Annual certification by permittee that a prograis in place to reduce the volume and toxicity of hazardous waste he generates and activities on-site use methods to minimize threat to human health and environment. (264.73(b)(9)).		[_]		
j)	If applicable, quantity and date of placement of in a land disposal unit of waste with an extension to the land disposal restriction. $(609(1)(k): 264.73(b)(10))$	(II)	ſ_1		<u> </u>
k)	For off-site treatment, a copy of notice or certification/demonstration from the generator $(609(1)(1):\ 264.73(b)(11))$	. (II)	[_]		<u> </u>
1)	For on-site treatment, information contained in a notice (except manifest #) or certification/demonstration. (609(1)(m): 264.73(b)(12))		[_]		<u></u>
m )	For off-site land disposal, a copy of notice of certification/demonstration from the generator (609(1)(n): 264.73(b)(13))	•	[_]		<u> </u>
n)	For on-site land disposal, information contain in a notice (except manifest #) or certificatidemonstration. (609(1)(o): 264.73(b)(14))	on/	[_]		<u>U</u>
0)	For off-site storage, a copy of notice or certification/demonstration from the generator $(254.73(b)(15))$		[_]		<u>\( \lambda \) \( \lambda \) \</u>
ρ)	For on-site storage, information contained in a notice (except manifest #) or certification/demonstration. $(264.73(b)(16))$		[ _ ]		<u> </u>
ď)	Any other records required to be kept by the operating license. $(509/1)(p)$	(N/A)	[_]		

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		Violati <u>Class</u>		<u>Yes</u>	<u>No</u>	N/A
	Are all required records maintained and available for inspection. (609(2&3): 264.74(a	a)) (:	(I)	cVs		
						······
	REPORTING (Rule 610: 40 CFR 264.	<u> 75 - 26</u>	<u>4.76</u>	<u>)</u>		
28.	Has the owner/operator submitted a biennial r the Regional Administrator by March 1 of even numbered years. (610: 264.75)	eport t	, N	lat open	atmy ye	_ <del>\</del>
29.	If hazardous waste is received from off-site $(610(2):\ 264.76)$	has:				٠
	a) The facility accepted any waste without a manifest or shipping paper.	3	( I )		[_]	<u> </u>
	b) If 'a' is yes, was the Director provided a report with in 15 days.	with	(I)	[_]		<u>/</u>
30.	Has the owner/operator of a hazardous waste of treatment on the site of generation submitted monthly report to the Director. (610(3))	ā t	/ I/A)	[_]		<u> </u>
	ENVIRONMENTAL MONITORING (Ru	<u>ule 611)</u>	_			for me
31.	If applicable, has the TSDF carried out their environmental monitoring program.	r (1	1/A) Fi	er old ho	/ ~2 cell	V V
	RELEASES FROM SOLID WASTE MANAGEMENT UN	ITS (2	<u>54 S</u>	ubpart	<u> F)</u>	
32.	Did owner/operators comply with 264.101 for solid waste management units.	all	(I)	[_]		
	Did facilities with surface impoundments, wa and land treatment units receiving waste aft comply with 264.91 thru 264.100 in lieu of 2 releases to the upper-most aquifer (see exce (264.90(a)(2)&(b))	er 7-25 254.101	-82 for	( <u>_</u> )		<u> </u>
٦3.	. Did the owner/operator subject to this suspa conduct a monitoring/response program. (264	art 1.91)	(I)	[]		
34	. Did the owner/operator comply with specifics decimit (EPA-HSWA permit). (284.92 - 384.101	s in the	(1)	[]		V

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			Violati <u>Class</u>		<u>Yes</u>	<u>No</u>	N/A
		CLOSURE AND POST-CLOSURE (Rule 613:	<u>40 CFR </u>	<u>Subpa</u>	art G)		
35.	appl pile	the facility have a written closure plan icable, do certain surface impoundment and is have contingent closure plans. Does the itify: (613(1): 264.112(a&b))	d waste plan	(I)	εvs		
	a)	Description of how each hazardous waste u			c Vs	antaloggilla kayapatayaga	<del></del>
	b)	will be closed. (264.112(b)(1))  Maximum extent unclose during the facilit		(1)	[ <u>V</u> ]		
	-,	life with description of final closure. (264.112(b)(2))			[ <u>[</u> ]		
	⊂)	Maximum inventory of waste. (264.112(0)(3	())	(I)		www.leastern.mage.	
	d)	Description of steps to remove or deconta equipment, soils, etc. (264.112(b)(4))		(1)			
	∈)	Description of other closure activities to satisfy closure performance standards. (264.112(b)(5))	.0	(I)	[ <u></u> ]		_
	f)	Schedule of closure activities. (264.112)	b)(6))	(I)	е <u>И</u> З		
36.		a written closure cost estimate available cost adjusted for inflation. (264.142(ad		(I)	נאַז	- my lagar dy difference	
Note	: D	isposal facilities need post-closure					
37.	If was	s the facility have a written post-closure applicable do certain surface impoundment te piles have contingent closure plans. Don identify: (613(1): 264.118(a&b))	and	(1)	ГЫ	· · · · · · · · · · · · · · · · · · ·	
	a)	Description of the planned monitoring ac (i.e.: waste piles, etc.). (264.118(b)(	tivitíes 1))	5 (I)			organish did a di
	р)	Description of maintenance activities and frequencies for: (264.118(b)(2))	d the		,	/	
		<ol> <li>Integrity of cap/final cover or othe containment systems. (264.118(b)(2)</li> </ol>	r (i))	(1)	ري		
		11) Monitoring equipment. (264.118(b)(2)	(ii))	(I)	$\mathbb{Z}_1$		
	C )	Name, address and phone number of person office to contact during post-closure caperiod. (254.118(b)(3))		ίΙ;	ريا		

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			ation ass	Yes	No	N/A
38.	Is a written post-closure cost estimate availa and was cost adjusted for inflation. (264.142)	ble a&b)	) (1)	W	·	-
39.	If changes to the approved closure or post-cloplan were made did the owner/operator first su written request to make said changes. (264.112	.bmit	ā (I)	[ _ ]		1/
Comme	ents:					
Rule	614 refers to 40 CFR, Subpart I, 264.170-264.1	178				
USE	AND MANAGEMENT OF CONTAINERS IN STORAGE (Rule	614;	<u>40</u> C	<u>FR 26</u>	<u> 5ubp</u>	art <u>I)</u>
40.	Is each container labeled or marked clearly withe words "Hazardous Waste"? (614(1)(b))  If no, how many		(N/A)	[_]		<u> </u>
41.	Are containers in good condition? (264.171)  If no, specifically what is their condition?	•	(I)	[_]		u
42.	Are containers compatible with waste in them? (264.172) If no, explain		(I)	£_3		$\underline{V}$
43.	Are containers stored closed? (264.173(a))  If no, how many		(1)	[ _]		<u> </u>
44.	Are containers managed to prevent leaks? (264.173(b)) If no, explain	_•	( I )	[_]		<u>U</u>
45.	Are containers inspected weekly for leaks and defects? (264.174)	!	( <u>I</u> )	[_]		<u>U</u>
45.	Container storage areas must have a containme system designed and operated as follows in the waste contains free liquids or is FO20, FO21, FO22, FO25, FO25, FO27:	ne				
	a) Impervious base tree of cracks? $(264.175(b)(1))$		(I)	()		

			Violat <u>Clas</u>		<u>Yes</u>	<u>No</u>	N/A
	b)	Sloped or otherwise designed to elevate or protect containers from contact with accumulated liquids? (264.175(b)(2))		(I)	t _3		
	c)	Containment capable of holding 10% of volution of containers or 10% of largest container, whichever is greater? (264.175(b)(3))	ım∈	(1)	[_]		
	<b>a</b> )	Run-on prevented unless capacity in excess of question $46(c)$ ? $(264.175(b)(4))$	5	(I)	[_]	<del></del>	<u>/</u>
	e)	Accumulated liquids (waste and/or precipitation) removed in a timely manner prevent overflow? (264.175(b)(5))	to	(I)	£ _3		<u>V</u>
47.	FOZ are ele	stored hazardous waste is solid (other than 20, F021, F022, F023, F026, F027) is the sto ea sloped or otherwise designed, or contain evated or otherwise protected from contact quids? (264.175(c))	orage ers	(I)	[_]		Ų
48.	15 if	e ignitable and reactive wastes stored at l meters (50 feet) from property line? (Ind waste is ignitable or reactive.) (264.176 no, explain	ıcate	(I)	[_]		4
49.	car	e incompatible wastes stored in separate ntainers? (If not, the provisions of 40 CF 4.17(b) apply.) (264.177(a)) If no, explai	īR In	(I)	[_]		<u>/</u>
50.	Ar pr	e hazardous wastes placed in containers tha eviously held incompatible material.(254.17	at 77(b))	( I )		[_]	
51.	or	e containers of incompatible waste separate protected from each other by physical bard sufficient distance? (264.177(c))	ed riers	(I)	C _3		V
		PRE-TRANSPORT REQUIREMENTS (Rule 305	<u>: 40</u>	CFR 2	<u>62.30</u>	<u>)</u>	
52.	rs o	s waste packaged in accordance with DOT egulations (required prior to movement f hazardous waste off-site)? Rule 305(1)(a): 40 CFR 262.30).	Č		y rep		
53	a h	re waste packages marked and labeled in coordance with DOT regulations concerning azardous materials (required prior to move- ent of hazardous waste off-site)? (Rule			ny rep ved		<u> </u>
	m →	0.57111611611 + 40 CFR 252.31 & 262.32(a))		(I)	[ ]		

· · ·	15.		
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Treatment/Storage Disposal Facility Form D

5	On containers of 110 gallons or less the appropriate information display include a warning and generator's maddress, manifest document number a code as required in 40 CFR 172.3047	ed same, and waste	company rep said observed
	(Rule 305(1)(d): 40 CFR 262.32(b))		(1) [_] \
55.	If required, are placards available	e to	company rep said observed
	the transporter? (Rule 305(1)(e): 40 CFR 262.33)		(I) [_] <u>(</u>
Comm	ents:	Facility	icTC.
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			_
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			V.

NATURAL RESOURCES COMMISSION

> JERRY C. BARTNIK LARRY DEVUYST AUL EISELE AMES HILL JOEY M. SPANO JORDAN B. TATTER



JOHN ENGLER, Governor

#### DEPARTMENT OF NATURAL RESOURCES

RECEIVED

John Hannah Building, P.O. Box 30241, Lansing, MI 48909

ROLAND HARMES, Director

JAN 1 0 1994

WASTE MANAGEMENT DIV

January 6, 1994

Mr. Jerome Amber, P.E. Manager, Wastes and Hazardous Substances Ford Motor Company 15201 Century Drive, Suite 608 Dearborn, Michigan 48120

Dear Mr. Amber:

SUBJECT: Cell II Construction Certification,

Ford Allen Park Clay Mine, MID 980 568 711

The Waste Management Division has reviewed the construction certification documents for Cell II dated June 16, 1993, and December 16, 1993. These documents satisfactorily demonstrate that the cell was constructed in accordance with the approved design plans and the construction quality assurance plans contained in the operating license for the Ford Allen Park Clay Mine, issued pursuant to 1979 PA 64, as amended, the Hazardous Waste Management Act. The construction certification for Cell II is hereby approved.

If you have any questions, please contact Mr. Peter Quackenbush at Waste Management Division, Department of Natural Resources, P.O. Box 30241, Lansing, Michigan 48909, or at telephone number 517-373-7397.

Jim Sygo, Chief

waste Management Division

517-373-9523

cc: Mr. Richard Traub, U.S. EPA

Ms. Lorraine Kosik, U.S. EPA

Dr. Ben Okwumabua, DNR-Livonia

Mr. Ken Burda, DNR/Operating License File

Mr. Peter Quackenbush, DNR

Mr. Tarik Namour, DNR

. 

# Act 64/RCRA Inspection Report

(rev. 07/01/91)

## ACT 64/RCRA INSPECTION REPORT

L		
		510711
	Michigan) M 1D 940	
FACILITY NAME	ind Motor Company Allo	en Powk Clay Mine
Mailing Address	e 608 15201 Cel	tury Dr.
	City	Michigan 44120 Zip Code
DATE 6/24/93	TIME (from)	130 (to) 12/30
PERSON(S) INTERVIEWED	TITLE	TELEPHONE #
Teff Authur	fmc -	
Galy should ey	WMC	313-399-3209
David Houdsen	. //	
INSPECTOR(S)	AGENCY	TELEPHONE #
hunt childs	WDWB	3/3-103 MUN
		1
Primary Business of this	Facility: Lawslei	11
you discharge a proce a RCRA regulated haza	ss wastewater to the local I	POTW, that would otherwise
Reason for Inspection:		
Routine	Follow-up	Complaint

PR5122

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### Act 64/RCRA Inspection Report

Based upon the inspection, this facility:	FORM
does not generate any hazardous waste	
conditionally exempt small quantity generator	E
small quantity generator inspection form	-A
generator inspection form generator tank(s) system inspection form	B -B1
transporter inspection form	С
boilers and industrial furnaces	- F
<pre>PERMITTED TSDF</pre>	-D D1 - D2 D3 -D4 D5 -D6 D7 -D8
INTERIM STATUS TSDF	-D9 D1 D10 - D2 D11 -D12 D13 -D14 D15 -D16
COMMENTS:	

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#### PERMITTED LANDFILL INSPECTION FORM

Date	lity's Na	ame FMC Aller Park Clay Mowe (193 I.D. # MVD946369711 ers to 40 CFR, Part 264, Subpart N, 264.30	Pa P.	SPECTI rt 6 R A. 64	ules	
			ation ass	Yes	<u>No</u>	N/A
		DESIGN AND OPERATING REQUIREMENTS (26	4.301)	l Ha		
1)	unit, r	dfill (except a new landfill, new eplacement, or lateral expansion at ting landfill) must have:				
	ins	iner which is constructed and talled to prevent migration of te. The liner must be:				
	i)	Constructed of materials that have appropriate chemical properties, sufficient strength and thickness. (264.301(a)(1)(i))	(I)	2.1		
	ii)	Placed on a foundation or base capable of providing support and resistance to pressure gradients. (264.301(a)(1)(ii))	(I)	13		
	iii)	Installed to cover all surrounding earth likely to be in contact with waste or leachate. (264.301(a)(1)(ii1))	(I)	1		
		eachate collection and removal system ediately above the liner. (264.301(b))	(I)	(2)		1
		OR				7
2)	require	d an exemption from the existing liner ments from the Director. (264.301(b))	(I)	[_]		12
Comm	ents: _				<del></del>	

(rev. 05-24-90)

PR5122-11

75.	*	N.	
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		Violation <u>Class</u>	<u>Yes</u>	<u>No</u>	N/A
3)	The owner/operator of a new landfill, new unit, replacement, or lateral expansion at an existing landfill must have:				* <sub>2</sub>
	a) Met the requirements of R 299.9620(2). (Rule 619(2))	(N/A)	[∑̄₄		
	b) Two or more liners. (264.301(c))	(I)	177		
	<ul> <li>c) Leachate collection system above and between liners. (264.301(c))</li> </ul>	(1)	17	X <del>- may</del>	
	OR				
	d) Approval for alternate design from Director. (264.301(d & e)	(1)	[_3		X
4)	Operates and maintains a leak detection, collection and removal system between the liners as per R 299.9622. (Rule 619(3))	(N/A)			
5)	The owner/operator must operate and maintain a run-on control system to stop flow onto active portion (minimum 25-year storm). (264.301(f))	(1)	<u>K</u> 1		
6)	The owner/operator must operate and maintain a run-off system to collect and control water (minimum 25-year storm). (264.301(g))	(1)			
773	Were collection and holding units (ex: tanks) for run-on and run-off emptied or other wise managed right after a storm. (264.301(h))	(1)		_	
8)	If landfill is subject to wind disposal is it covered or controlled to stop wind dispersal. (264.301(i))	(I)	[_]		$\propto$
Comm	ents:				
					- <u> </u>
	MONITORING AND INSPECTIONS	(264.303)			
9)	During installation were liners and cover systems inspected (ex: uniformity, damage, etc.) (264.303(a))	(I)			

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			Violation Class	Yes	No	N/A
10)		ediately after construction or installatio	n			
	a)	Synthetic cover and liners inspected to ensure:				ei G
		i) Tight seams and joints. (264.303(a)(	1)) (I)	[_]		-
		ii) Absence of tears, punctures or blist (264.303(a)(1))	ers. (I)	B		-
11)		Soil-based and admixed liner and covers inspected for imperfections (ex: lenses cracks, root holes, etc.) (264.303(a)(2012) le a landfill is in operation, was it pected weekly and after storms for:	(1)	(¥		-
	a)	Deterioration, malfunction or improper operation of run-on and run-off control systems. (264.303(b)(1))	(I)	[_]		1
	b)	Proper functioning of wind dispersal system. (264.303(b)(2))	(I)	[_]		À
	c)	Presence of leachate in and proper functioning of leachate collection and removal system. (264.303(b)(3))	(I)	c_3	<del></del>	_>
		SURVEYING AND RECORDKEEPING (	264.309)			
12)		s the owner/operator maintain the lowing in the operating record:		26		
	a)	A map of each cell (location & dimension). (264.309(a))	(1)	[ _3	-	1
	b)	Contents of cell and location of each waste type. (264,309(b))	(1)	[_3		Y
Comm	ents	: Not Accepting whote	Tot			
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		Violatíon <u>Class</u>	<u>Yes</u>	<u>No</u>	N/A
	SPECIAL REQUIREMENTS FOR IGNITABLE OR REA	ACTIVE WASTE	(264.	312)	
13)	Ignitable or reactive waste must not be placed in a landfill unless:				
	a) The waste is treated, etc. before or after placement in the landfill so:				
	<ol> <li>The waste/mixture is no longer ignit able or reactive. (264.312(a)(1))</li> </ol>	t- (I)	[_]		) <u> </u>
	ii) Taken precautions to prevent reaction which generate extreme heat, fire, gases, damage the facility, or other like means that threatens human head a environment. (264.312(a)(2) refers to 264.17(b))	lth	t_3		<u></u>
	EXCEPT				
	<ul> <li>b) Ignitable waste in containers is protected for conditions/material which may cause it to ignite or react can be landfilled. (264.312(b))</li> </ul>	(1)	[_]		$\leq$
	SPECIAL REQUIREMENTS FOR INCOMPATIBLE	E WASTES (26	4.313	<u>}_</u>	
14)	Incompatible wastes must not be placed in the same landfill cell unless 264.17(b) is complied with. (264.313)	(I)	[_3		<u>\</u>
	DISPOSAL OF SMALL CONTAINERS OF I		TE.		
15)	Small containers in overpack drums may be landfilled if:				
	a) Containers are:				
	i) Non-leaking. (264.316(a))	(I)	[_]		C. S.
	ii) Won't react, ignite or dangerously decompose with other container waste (264.316(a))	e. (I)	[_]		
	<pre>iii) Container uses meets DOT and is sealed. (264.316(a))</pre>	(1)	[_]		

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	*	Violation <u>Class</u>	Yes	No	N/A
	b) Overpack is:				
	i) Meets DOT. (264.316(b))	(I)	[]	-	-
	ii) Maximum 110 gallons. (264.316(b))	(I)	[_]	-	$\prec$
	iii) Sufficient absorbent used that wil not react, ignite or dangerously decompose with waste. (264.316(b&		[_]		2
16)	Were incompatible wastes placed in same container. (264.316(d))	(I)	Name of the	[_]	8
17)	Were reactive wastes (other than cyanide or sulfide bearing) treated. (264.316(e))	(I)	[_]		X
	SPECIAL REQUIREMENTS FOR HAZARDOUS F022, F023, F026 AND F027.		F021,		
18)	Were F020, F021, F022, F023, F026 and F027 placed in a landfill without an approved plan from the Director. (264.317(a))	(I)		[_]	8
	CLOSURE AND POST-CLOSURE CAR	RE (264.310)			
19)	Did the owner/operator close the landfill in compliance with 264.310 and R 299.619(5).	( I )	[_]	-	3
Comm	nents:		40		
	<u>.</u>				
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## PERMITTED TREATMENT/STORAGE/DISPOSAL FACILITY INSPECTION FORM

Facility's Name Food Markon Aller Policy	MULY INSPECTION FORM D
Date 6/26/93 I.D. # MID946565	Part 6 Rules P.A. 64 of 1979
This facility, in addition being a treatment, sto Generates Hazardous Waste (also use Form D1) Transports Hazardous Waste (also use Form C)	rage &/or disposal facility:
This facility: Accepts waste from off-site sources Handles only its own waste	
<pre>If applicable, hazardous waste is stored in:</pre>	etc) Number of units
If applicable, hazardous wastes are treated in:Surface Impoundment(s) (also use Form D3)Waste pile(s) (also use Form D4)Land treatment (also use Form D5)Incinerator (also use Form D7)Aboveground tank(s) (also use Form D2)Underground tank(s) (also use Form D2)Container(s)Miscellaneous Unit(s) (also use Form D8)	
If applicable, hazardous waste are disposed in:  Surface Impoundment(s) (also use Form D3)  Land treatment (also use Form D5)  Landfill (also use Form D6)  Incinerator (also use Form D7)  Miscellaneous Unit(s) (also use Form D8)	
WASTE STREAM(S)	
HAZARDOUS WASTE # TYPE ( CODE/NAME SOURCE STORAGE	
	The second secon

# Treatment/Storage/Disposal Facility Form D

HAZARDOUS WASTE # CODE/NAME	SOURCE		TYPE OF STORAGE			MUCH/ PERIOD	7
	ıJ s.	1	. 3				
	2		= _		1		
1.2				=	2		
2							
LAND BAN WASTE	YES		NO _				
Comments: Mawag	event o	FL	andfull-	Lake	youl	El-la	7
July 15 A	<i>N</i> 0(€ 10	(5-1	011	0.0	<u> </u>	3/3/7	7
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			Violation	V	D.I	****
		ENVIRONMENTAL AND HUMAN HEALTH STANDARDS GE	Class	Yes		N/A
1.	Is	the TSDF operated in a manner that will vent the following:	NERHELY (	<u>kn i e</u>	602)	æ
	a)	Violations of Federal Clean Water Act or Act 245. (Rule 602(1)(a))	(N/A)	[ ]		
	Ь)	Air emissions in violation of the Federal Clean Air Act or Act 348. (Rule 602(1)(b)		[_]		2
	c)	Degradation, as defined in act 245, of a sole-source aquifer. (Rule 602(1)(c))	(N/A)	[_]	-	\( \sqrt{2}
	d)	Exposure of humans or the environment to harmful quantities of hazardous waste/constituents. (Rule 602(1)(d))	(N/A)	[_]		7
	e)	Pollution, impairment or destruction of na resources of the state. (Rule 602(1)(e))	tural (N/A)	[_]		
		FACILITY DESIGN AND OPERATING STANDAR	DS (Rule 6	04)		
2.	If a	applicable, are the following maintained at	the TSDF:			
	a)	A run-on control system for a 24-hour, 25-storm. (Rule 604(1)(a))	year (N/A)	ιŽ	-	**************************************
	b)	A run-off management system for a 24-hour, 100-year storm. (Rule 604(1)(b))	(N/A)	( <u>A</u>	(Additional Association	:
	⊂)	Systems to prevent hazardous waste/constitution escaping. (Rule 604(1)(c))	uents (N/A)	<u>C</u>		
ule	605	refers to 40 CFR 264, Subpart B, 264.10-26	4.18			
		GENERAL FACILITY STANDARDS (264.1	1 & 264.12	<u>)</u>		
3.	Does	s the facility have an EPA id #. (264.11)	(I)			
4.	If	required, have the following been notified:				
	a)	Director of receipt of hazardous waste from a foreign source. (264.12(a))	m ( I I )	[_]		8
	ь)	The generator that the TSDF has permit(s) and will accept the generators waste (copy letters in operating record). (264-12(b))	of	, ( 1		

									ation ass	Yes	No	_N/A
	⊂)	Dir (26	ector 4.12(c	on chan	ge in a	wner/ope	erator.		(II)	[_]		*
				<u>GE</u>	NERAL W	ASTE ANA	ALYSIS (	(264.13)	- v			•
5.	Has and	the phy	owner sical	/operato analysi	or obta s of th	ined a c e waste.	letailed (264.1	chemica 3(a)(1)	1 ) (I)	[_]	×	X
6.	If a	nece: accui	ssary, rate.	has and (264.1)	alysis 3(a)(3)	been rep )	eated to	) ensure	(I)	[_]		X
7.	ınsp	pecte	ed/ana	is was lyzed to 64.13(a	o deter	ived fro mine if	m off-si it match	te les the	(I)	[_]		
8.	Does anal	s the lysis	e owne s plan	r/opera on file	tor hav at th	e a deta e facili	iled was	te	(I)	E T	-	2
	Does	s the	∍ plan	include	≘:							
	a)	The	param	eters to	analy	ze waste	. (264.1	3(b)(1)	) (I)	[ <del>≠</del> ]		
	b)	Test	and	sampling	) method	ds. (26	4.13(b)(	2&3))	(I)	EX		
	c)	Frec	quency eated.	initial (264.1	. analys .3(b)(4	sis will ))	be revi	ewed or	(I)	130		7 <u></u>
	d)	Off- addi	site : tiona	waste ar l analys	nalysis sis requ	from ge uired. (	nerator 264.13(b	and any (5&6))	(I)	4		
	e)	dist	osal :	restrict	ions ur	s, exemp nder 268 procedur	t from l .4(a), t es:	and he				
		i)	Sampl	ing of i	mpounda	nents.(2	54.13(Ь)	(7)(i))	(I)	[_]		12.
	i	li)	Analys residu	sis of t ues. (26	est dat 4.13(b)	a and and (7)	nnual re iii)(A)(	moval of B)(1-2))	( I )	[_]		$\geq$
9.	ınsb	pecti	on and	i analys	is of e	each off-	/ procedi -site was . (264.	ste to	(1)			
Oinme	ents:		FaiCil	A Th	tot ex	foliati	Nate	X				
				II	5			<del></del>				
	ÿ							JI				<del></del>

			Violation Class	<u>Yes</u>	No	N/A
		<u>SECURITY (264.14)</u>				
10.	(un	unknowing entry prevented into active portion less demonstrated to Director the physical disturbance will not cause a violation), b	contact			
	a)	24-hour surveillance. (264.14(b)(1))	(I)	(2)	1 <del></del>	-
		OR				
	b)	Artificial or natural barrier and controll entry. (264.14(b)(2)(iⅈ))	ed (I)	(XI	-	
	⊂)	Danger sign(s) at entrance. (264.14(c))	(I)	W.	\$ <del></del> 6	-
		GENERAL INSPECTION REQUIREMENTS	(264 15)			
11.	mal dis	s the owner/operator inspect the facility functions, deterioration, operator errors a charges of hazardous waste that may effect an health or the environment. (264.15(a))	or	⋈		
12.	sch	s the owner/operator have a written inspect edule kept at the facility with the followi 4.15(b)(1&2))				
	a)	Monitoring equipment. (264.15(b)(1))	(II)			1
	b)	Safety & emergency equipment. (264.15(b)(	1)) (II)	(A)		-
	⊂)	Security devices. (264.15(b)(1))	(II)	K)	N	
	d)	Operating and structural equipment (i.e.: dikes, pumps, etc.) 264.15(b)(1))	(II)	kgr		()
	e)	Types of problems to be looked for (i.e.: fittings, eroding dike, etc.) (264.15(b)(	Carlo and	1		
	f)	Inspection frequency based on: (264.15(b)(	4)) (II)	(A)	********	
		i) Possible deterioration rate of equipme	int. (II)	17	-	
A		ii) Areas subject to spills daily.	(II)	17	-	
17	in	es the owner/operator keep a record of inspe an inspection log at the facility that cont e following: (264.15(b)(2) & (d))	ections No.	D L		
		i) Date and time of inspection.  Old Log Sud 5/19/92	(11)		.11919	9

							lation lass	Yes	<u>No</u>	N/A	
	ŝ	ii)	Name of the	inspector.			(II)	ťXj		-	
	i	ii)	Notation of	observation	ns made.		(II)			-	
		iv)	Date and na remedial ac	The second of th	airs or oth	er	(11)	r\/	<del></del>		
Comme	stru the huma or a imme	uctu pro an h alre edía	lfunctions/deres remedied olem does no ealth hazard ady occurred tely. (264.	on a schedu t lead to an . And where remedial an 15(c))	ule which e n environme a hazard i	nsures ti ntal or s imminer ken	nt (I)	H	-		*
	- <u> </u>		1:41.7								- 1 - 1
-									28.2		·
45.	Do t	pers	onnel traini	PERSONNEL		<u>264.16)</u> followin	COW Become	arge pros	you tou	Avoil	ME
¥	a)	Job	title? (26	4.16(d)(1))			(II)	[_]	-		W
	b)	Job	description	5? (264.16	(d)(2))		(11)	[_]		<u> </u>	N)
	c)	Nam	e of employe	e filling j	obs? (264.	16(d)(1)	(II)	[_]			NI
	d)		cription of continued t	The reserved the transfer of the			tory (II)	c_3			UI
	e)	fac	training des ility person ectively to	nel are ablo	e to respon		(I)	[_]	<del>1 - 1</del>	<u> </u>	M
	d)	Rec	ords of trai	ning? (264	.16(d)(4))		(II)	[_]	income and a		M
	e)		new personne ining within		the second control of	)	(I)	C _3	# P	,	八
	f)	per	personnel tr sonnel have iew of initı	taken part	in an annua	1	(1)	[_]	-		tu
Commi	ents	: _	Vell &	Malrinee	1 dies	of to	lam	bx	00	T	yo e
01	d'	Red	och pre	rel su	as by =	att n	elver	I cre	ey L	Yes	_
F	els	50	Inel F	ecolls	Not	Albri	valob	e ,	<i>V</i>	,	
	1	7 \		a I Try	1 - (	-12/06					

			Violat Clas		Yes	No	_N/A
GENE	RAL	REQUIREMENTS FOR IGNITABLE, REACTIVE OR I					4.17)
		equired, are the following taken:				******	
	a)	Ignitable/reactive waste separated and protected from ignition sources with `No smoking' signs. (264.17(a))		(I)	[_]		5
	b)	Precautions to prevent reactions which generate extreme heat, fire, gases, damag facility, or other like means that threat human health & environment. (264.17(b))		(1)	[_]	4)	6
	⊂)	Are actions taken in b, documented. (264.	17(c))	(I)	[_]		X
Rule	606	refers to 40 CFR, Subpart C, 264.30-264.3	57				
		PREPAREDNESS AND PREVENTION	(264.30	))			
17.	min or was	the facility maintained and operated to imize the possibility of fire, explosion, release of hazardous waste or hazardous te constituent? (264.31)  required, does this facility have the foll ipment:	owing	(I)	( <u>)</u>	_	
	a)	Internal communications or alarm systems? (264.32(a))		(I)	( <u>)</u>		
	b)	Telephone or 2-way radios at the scene of operations? (264.32(b))		(I)	B	( <del></del>	S <del>pecial special</del>
15	c)_	Portable fire extinguishers, fire control spill control equipment and decontaminati equipment? (264.32(c))		(I)	(2)	·	
1	d )	Adequate volume of water and/or foam available for fire control? (264.32(d))		(I)	()	_	
19.	Tes	ting and Maintenance of Emergency Equipmen	nt:				
Ö	a)	Does the owner or operator test and maintain emergency equipment to assure proper operation? (264.33)	Louis	(1)	[ ]		
Comme	ents	:					

						Viola Cla	ition iss	Yes	No	N/A
	b)		ner/operator to internal		immediate (264.34(a&b))					
		i)	When hazardo being poured				(I)	[_]		3
		ii)	One employee while facili				(I)	[_]		2
Comme	c) ents	unobsti and em	re adequate a ructed moveme ergency equip	nt for pe	rsonnel		( I )	[_]	× * = _ = _ = _ = _ = _ = _ = _ = _ =	2
								W-10-5		
			V. W							
20.		the colowing :  The act	ONTINGENCY PL ontingency pl information: tions facilit n response to unplanned re	an contai y personn fires, e	el must xplosions,	OURES	(264	.50)		
			(See any P an be added t				(I)	<u>(7</u>	*!	
	ь)	to make local phospita and local to coor	pe arrangement arrangement bolice and finds, contract al emergency rdinate emergent to (264.52	s agreed re depart ors, and response ency serv	to by ments, state teams ices,		(II)	i de la companya della companya della companya de la companya della companya dell		and the same of th
		to ente	al or state a er into such l documented.	arrangeme	nts is the		(11)	FI		,
	⊂)	(office qualify	addresses an and home) o led to act as nator? (264.	f all per	sons		(II)	XX		(

		¥				
			Violation <u>Class</u>	Yes	<u>No</u>	N/A
	d)	A list of all emergency equipment at the facility which includes the location and physical description of each item on the list, and a brief outline of its capabilities? (264.52(e))	(II)	( )		
9	e)	An evacuation plan for facility personnel if evacuation could be necessary? (This plan must describe signal(s) to be used to begin evacuation, evacuation routes and alternate evacuation routes.) (264.52(f))	(II)	i/i	× 1	
21.	Eme	rgency Coordinator and Emergency Procedures	5:			
	a)	Is coordinator familiar with all aspects of site operation and emergency procedures? (264.55)	(11)	[2]		1
	b)	Does the emergency coordinator have the authority to carry out the contingency plan? (264.55)	(II)	41		1
22.	c) Pla	If an emergency situation has occurred at this facility, has the emergency coordinator followed the emergency procedures? (264.56)  n Amendments and Copies:	° (I)	£ 1		
7	a)	Has the contingency plan been amended to reflect changes in regulations, plan factor changes in the facility, list of emergency coordinators, changes in emergency equipment? (264.54)	(II)	[_]	·	4
	Ь)	Are copies of the contingency plan available on site and local emergency organizations? (264.53)	(II)			
Comme	ents	: Recious 12-2-97				
				-		
å <del>/</del>						

		· · · · · · · · · · · · · · · · · · ·	Violat		Yes	No	N/A
		USE OF MANIFESTS (Rule 608: 40 CFR 2	-			-	
23.		the facility receives hazardous waste ompanied by a manifest, does the facility:					i/ 8001
	a)	Sign & date each copy. (608(1)(a): 264.71(a)(1))		(I)	ַנ_1.		8
	Ь)	Note any significant discrepancies. (608(1)(b): 264.71(a)(2))		(I)	[_]	1	9
	c)	Give the transporter 1 signed copy of the manifest. $(608(1)(c): 264.71(a)(3))$		(I)	[_]	10 10 10 10 10 10 10 10 10 10 10 10 10 1	+
9	d)	Copy sent to generator w/in 30 days and MDNR w/in 10 days after the end of the modin which the waste was received. $(608(1)(6264.71(a)(4)))$		(I)	[_]		*
	e)	Retain copy on-site. (608(1)(e): 264.71(a	)(5))	(I)	[_]	-	X
24.	ship	applicable, comply with requirement for bu oments of hazardous waste by rail or water hsporter. (608(2): 264.71(b))		(I)	[_]	-	8
25.	disc	ify the Director if a significant crepancy is not corrected with the erator with in 15 days. (608(4): 264.72))		(I)	[_]		X
		RECORDKEEPING (Rule 609: 40 CFR 264.73	<u>&amp; 264</u>	.74)			
26.		s the owner/operator maintain an operating site with the following information record		d			
	a)	Description and quantity of hazardous was received and method(s)/ date of its treat storage or disposal. (609(1)(a): 264.73(b)	ment,	(II)	[_]		>
	Ь)	Location & quantity of each hazardous was the facility (cross-referenced to specifimanifest #) on a map. (609(1)(b):264.73(b	. C		[_]	April 1 mars 1 m	X
	c)	Records and results of all waste analysis trial tests, monitoring data, and operatorinspections. (609(1)(c): 264.73(b)(3))	;, or	(II)	[_]		~
	₫)	Reports detailing all incidents that requirementation of the Contingency Plan. (609(1)(d): 264.73(b)(4))	uired	(II)	r_1		7

		· ·	Violation	5.		
A	7	Records & results of inspections in $264.15$ (question $11$ ). $(609(1)(e): 264.73(b)(5))$	Class No In	Yes R. Att	No No	5/19/97
	f)	If required, monitoring, testing or analytember required by construction permit or operating license. (609(1)(f): 264.73(b)(6		[]		
	g)	Notices to generator (question 4) and recorrejected loads. (609(1)(g&h): 264.73(b)(7)	rds of )) (II)	[_]		X
	h)	Closure and post-closure cost estimates. (609(1)(j): 264.73(b)(8))	(II)	[2]		
	i)	Annual certification by permittee that a pris in place to reduce the volume and toxicof hazardous waste he generates and activition-site use methods to minimize threat to health and environment. (264.73(b)(9)).	ity ties	[_]		X
	j)	If applicable, quantity and date of placement of in a land disposal unit of waste with an extension to the land disposal restriction (609(1)(k): 264.73(b)(10))	ì	C_3		*
	k)	For off-site treatment, a copy of notice or certification/demonstration from the general $(609(1)(1): 264.73(b)(11))$	ator.	[_]	-	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	1)	For on-site treatment, information contains a notice (except manifest #) or certification demonstration. (609(1)(m): 264.73(b)(12))	ed in ion/ (II)	[_]		2
	m )	For off-site land disposal, a copy of notice certification/demonstration from the general $(609(1)(n): 264.73(b)(13))$	ator.	[_]	***************************************	X
	n)	For on-site land disposal, information contin a notice (except manifest #) or certific demonstration. (609(1)(0): 264.73(b)(14))	ained ation/ (II)	[_]		>
	٥)	For off-site storage, a copy of notice or certification/demonstration from the general (264.73(b)(15))	ator.	[_]	and the second s	X
	p)	For on-site storage, information contained a notice (except manifest #) or certificati demonstration. (264.73(b)(16))	in	[_]		8
	q)	Any other records required to be kept by thoperating license. (509(1)(p))	ne (N/A)	1		The Colombian

		Violation			
N		Class	Yes	No	N/A
27.	Are all required records maintained and available for inspection. (609(2&3): 264.74(	a)) (II)			
Comm	ents:				
	a			30 - 30 - 10 - 11 - 11 - 11 - 11 - 11 -	
1	REPORTING (Rule 610: 40 CFR 264.	<u>75 - 264.76</u>	<u>)</u>		
28.	Has the owner/operator submitted a biennial re	anort to			
	the Regional Administrator by March 1 of even numbered years. (610: 264.75)	(11)	M		
29.	If hazardous waste is received from off-site (610(2): 264.76)	has:			
	a) The facility accepted any waste without a manifest or shipping paper.	(I)		[_]	8
	b) If 'a' is yes, was the Director provided a a report with in 15 days.		[_]	8- <del></del> 8	
30.	Has the owner/operator of a hazardous waste ditreatment on the site of generation submitted monthly report to the Director. (610(3))		[_]		
	ENVIRONMENTAL MONITORING (Ru	<u>le 611)</u>			
31.	If applicable, has the TSDF carried out their environmental monitoring program.	(N/A)	1	<u> Paragona</u>	0
	RELEASES FROM SOLID WASTE MANAGEMENT UNI	<u>TS (264 Su</u>	bpart	E)	
32.	Did owner/operators comply with 264.101 for a				
J	solid waste management units.		[_]		8
	Did facilities with surface impoundments, was and land treatment units receiving waste after comply with 264.91 thru 264.100 in lieu of 264 releases to the upper-most aquifer (see except	r 7-26-82 4.101 for			
	(264.90(a)(2)&(b))	(I)	[_]	S <del>41-100-1-1</del>	X
33.	Did the owner/operator subject to this subpar- conduct a monitoring/response program. (264.9		[_]	<del></del>	1
34.	Did the owner/operator comply with specifics permit (EPA-HSWA permit). (264.72 - 264.101)		E 1		2

			# 1	Violat Clas		Yes	No	NZA
		CLOSURE AND POST-CLOSURE (Rule	613:					N/A
35.	app pil	s the facility have a written closur licable, do certain surface impoundm es have contingent closure plans. Do	e plar	i. If				ð.
	106	ntity: (613(1): 264.112(a&b))			(I)	(X		
	a)	Description of how each hazardous w will be closed. (264.112(b)(1))	aste u	ınit	(1)	123	-	-
	b)	Maximum extent unclose during the filipse with description of final close (264.112(b)(2))	acilit ure.	У	(1)	[4]		
	⊂)	Maximum inventory of waste. (264.11	2(Б)(3	;))	(I)	L (V)		
	<b>d</b> )	Description of steps to remove or deequipment, soils, etc. (264.112(b)	econta		(I)	[7]		<del>10 - 10 - 10</del>
	e)	Description of other closure activisatisfy closure performance standard	ties t	0	1 1 1	r Ø1		
		(264.112(b)(5))			(I)	12	*	
1	1	Schedule of closure activities. (26	4.112(	b)(6))	(I)	[2]		
	Is was	a written closure cost estimate avai cost adjusted for inflation. (264.	lable 142(a&	and b))	(I)	E	( <del></del>	
Note:	D	isposal facilities need post-closure						
37.	uas	s the facility have a written post-c applicable do certain surface impound te piles have contingent closure plan n identify: (613(1): 264.118(a&b))	dment	and es the	(I)	10		
	a)	Description of the planned monitoring	20 act			L <u>(</u> 1)		
	4	(i.e.: waste piles, etc.). (264.118	3(b)(1	))	(I)	[]		
	b)	Description of maintenance activitie frequencies for: (264.118(b)(2))	es and	the				
		<ol> <li>Integrity of cap/final cover or containment systems. (264.118(t</li> </ol>	other 5)(2)(		(1)	(X)		
	30	ii) Monitoring equipment. (264.118(t	o)(2)(	ii))	(I)	r _}	-	
	C)	Name, address and phone number of peoffice to contact during post-closur period. (264.118(b)(3))	erson re car	e	(I)	( <u>X</u>		

		olation Class	Yes	No	N/A
38.	Is a written post-closure cost estimate available and was cost adjusted for inflation. (264.142(a&	e b)) (I)	(	~ ~	
39.	If changes to the approved closure or post-closure plan were made did the owner/operator first submuritten request to make said changes. (264.112(c	it a	[_]	-	×
Comme	ents:				~
***		0		25	
8				V 3.00	538
10		34500			
				-	
Rule	614 refers to 40 CFR, Subpart I, 264.170-264.178				
<u>USE</u>	AND MANAGEMENT OF CONTAINERS IN STORAGE (Rule 61	<u>4: 40 C</u>	FR 264	Subp	art <u>I)</u>
40.	Is each container labeled or marked clearly with the words "Hazardous Waste"? (614(1)(b))  If no, how many?	(N/A)			5
41.	Are containers in good condition? (264.171) If no, specifically what is their condition?			1 <del>0 10</del> 14	
	*	(I)	[_]	-	L
42.	Are containers compatible with waste in them? (264.172) If no, explain	(I)	[_]	= 15 1	4
43.	Are containers stored closed? (264.173(a))  If no, how many?	(I)	[_]		2
44.	Are containers managed to prevent leaks? (264.173(b)) If no, explain	(1)	[_]		8
45.	Are containers inspected weekly for leaks and defects? (264.174)		[_]		<u>&gt;</u>
46.	Container storage areas must have a containment system designed and operated as follows if the waste contains free liquids or is F020, F021, F022, F023, F026, F027:				
	a) Impervious base free of cracks? (264.175(b)(1))	(I)	( <u>]</u>		>

			Viola <u>Cla</u>	tion ss	<u>Yes</u>	No	N/A
	Ь)	Sloped or otherwise designed to elevate or protect containers from contact with accumulated liquids? (264.175(b)(2))	r	(I)	[_]	10 	7
	c)	Containment capable of holding 10% of volume of containers or 10% of largest container whichever is greater? (264.175(b)(3))		(I)	C_1		A
*	d)	Run-on prevented unless capacity in excess of question 46(c)? (264.175(b)(4))	S	(I)	[_]	1	7
	e)	Accumulated liquids (waste and/or precipitation) removed in a timely manner prevent overflow? (264.175(b)(5))	to	(I)	[_]	6 8	×
47.	FO2 are ele	stored hazardous waste is solid (other than 0, F021, F022, F023, F026, F027) is the sto a sloped or otherwise designed, or contained vated or otherwise protected from contact ( uids? (264.175(c))	orage ers	(I)	[_]		<b>\</b>
48.	15 if	ignitable and reactive wastes stored at l meters (50 feet) from property line? (Ind waste is ignitable or reactive.) (264.176 no, explain	icate	(I)	[_]		X
49.	con 264	incompatible wastes stored in separate tainers? (If not, the provisions of 40 CF .17(b) apply.) (264.177(a)) If no, explai	n -•	(I)	[_]		$\geq$
50.		hazardous wastes placed in containers tha viously held incompatible material (264.17		(I)	40000	[_]	>
51.	or	containers of incompatible waste separate protected from each other by physical barr sufficient distance? (264.177(c))		(I)	[_]		*
		PRE-TRANSPORT REQUIREMENTS (Rule 305:	40 (	CFR 26	2.30)		
52.	reg of	waste packaged in accordance with DOT gulations (required prior to movement hazardous waste off-site)? le 305(1)(a): 40 CFR 262.30).	اه	oserve	rep d	said <sub>-</sub>	<u></u>
	acc haz mer	e waste packages marked and labeled in cordance with DOT regulations concerning cardous materials (required prior to movent of hazardous waste off-site)? (Rule 5(1)(b)(c): 40 CFR 262 31 & 262 32(a))	0	ompany bserve	rep	said <sub>-</sub>	_

Treatment/Storage/Disposal Facility Form D

54.	the appropriate information displayed	company rep said observed					
	include a warning and generator's name, address, manifest document number and waste code as required in 40 CFR 172.304?						
	(Rule 305(1)(d): 40 CFR 262.32(b))	(1) [_]					
55.	If required, are placards available to	company rep said observed					
	the transporter? (Rule 305(1)(e): 40 CFR 262.33)	(1)					
Сода	nents:						
COMM							
		The state of the s					
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h-							
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<del>50 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - </del>	*						
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	Description application of the Control of the Contr						

## RCRA LAND DISPOSAL RESTRICTIONS INSPECTION

I. General Information	·	1. 00	1	1 A 100	SINY W	line
Facility:	+ AI	id Water	Angula	Alla Pal	Town to	
U.S. EPA ID No.:	UTI	194036	08/11			
Street:	152	of Cer	Well FAU	KAN	140120	
City:	Der	( VIV-du	Sta	ite: M Zip	98120	
Telephone:	3	3-300	1-0/90		-	
Inspection Date: Weather Conditions:	<u> </u>	Time:	st =	am/pm)	phone	
	<u>Name</u>	T Chi	Agency/Titl	e reie	313-953	140%
Inspectors:	1//	WY COM	197.1	91.4		
	_	er D	* Company		*	
Facility Representative	es:	ett Hal	M ( PL MCA)			
					4.24.78	
See Appendix B to det	termine which	of the following	LDR waste			
\$2 B	Generate	Transport	Treat	Store	<u>Dispose</u>	
F001-F005 Solvents						
F020-F023 and F026-F028						·
California List*				-		
First Third [40 CFR 268.10]		-				
Second Third [40 CFR 268.11]					_	
Third Third [40 CFR 268.12]	7	2		,		
* See Appendix A			¥6			

6 ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	INSPECTION SUMMARY						
Processes That Generate LDR W	astes:						
•							
		<i>:</i>					
	יל.						

LDR Waste Management:

Summary:

Signature:

2

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	•					
					R	
	i e					
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#### RCRA LAND DISPOSAL RESTRICTION INSPECTION

#### IV. TSD REQUIREMENTS

A.	Waste	Analysis	[40 CFR 26	8.7(b), 264	.13, and 265.	[3]					
	1.		e waste analy 264.13(b)(6			owing LDR	R waste categories	?			
		F001-F0	05 Spent So	lvents		Yes	No	NA			
		F020-F0	23 and F026	-F028 Dio	ans	Yes	No	NA			
		Californ	ia List Wast	es		Yes	No	NA			
		First, Se	cond, and T	hird Third	Wastes	Yes 🔀	. No	NA			
		Comme	nts			20					
A	2.	Has the	waste analys	is plan bee	n revised to	address F03	9 multi-source lea	achate?			
		Yes	No_		NA						
A	3.	What da	hat date was the waste analysis plan last revised?/_/_								
	4.		Does analytical data contain all the information required to treat, store, or dispose of estricted wastes? [40 CFR 264.13(a)(1) and 265.13(a)(1)]								
		Yes 🔀	> No_			Đ					
		( See 11 900)	If yes, which of the following are sources of analytical data? (More than one may apply.):								
×		Fac		is analyses i	in on-site labo at off-site lab						
			enerator pro 54.13(a)(2) a			lity provide	corroborative tes	ting? [40			
		Yes	No		NA	10 to					
	1	If analyses are conducted off site, identify lab:									
	X	а.	using the to	xicity chara	cteristic leach	ning proced	n 40 CFR 268.41 lure (TCLP)?* (F FR 268.7(b)(1)]	analyzed 3DAT** =			
			Yes	Νο	NA	X					
			*See Appendio **BDAT = besi	C for except demonstrate	otions. ed available t	echnology.	See Appendix A.				

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		:

			If yes, list the wastes for which TCLP was used and provide the date of last test, frequency of testing, and note any problems. Attach test results. [40 CFR 264.73 (b)(3) and 265.73(b)(3)]
		b.	Are wastes with treatment standards specified in 40 CFR 268.43 analyzed using total constituent analysis?* (BDAT = destruction/removal technology) [40 CFR 268.7(b)(3)]
8			Yes No NA
·	*	8	*See Appendix C for exceptions.
			If yes, list the wastes for which total constituent analysis was used and provide the date of last test, frequency of testing, and note any problems. Attach test results. [40 CFR 264.73 (b)(3) and 265.73(b)(3)]
	g		
		c.	Is the paint filter liquids test (PFLT) used to determine if California List wastes are contained in <i>liquid</i> hazardous waste? [40 CFR 268.32(i)]
			Yes No NA
		y.	If yes, list the wastes for which PELT was used and provide the date of last test, the frequency of testing, and note any problems. Attach test results. [40 CFR 264.73(b)(3) and 265.73(b)(3)]
			1
В.	Opera	ting Re	cord [40 CFR 264.73 and 265.73]
	1.	specifi	the operating record contain records and results of waste analyses performed as led in 40 CFR 268.4 and/or 40 CFR 268.7(b)? [40 CFR 264.73(b)(3) and 6(b)(3)]
		Yes _	No_NA
	2.		the operating record contain copies of LDR notifications and certifications?* FR 264.73(b)(11), (13), and (15) and 40 CFR 265.73(b)(11), (13), and (15)]
		Yes _	
			de both those received from generators, and those prepared for off-site shipments.
	3.	which	the operating record include appropriate documentation for restricted wastes are managed wholly on site? [40 CFR 264.73(b)(12), (14), and (16) and (3(b)(12), (14), and (16)]
		Yes _	No NA

		•			
					-
·					
		•			
	•				

31	Does the documentation discussed in points 2. and 3. reflect proper historical management of wastes previously covered under expired national capacity variances, case by case extensions, and the soft hammer provision?*							
	Yes	No	NA _					
	*Note that the		ision expired as of 05/08/90. Soft hammer wastes which had in the Third Third rule were granted a minimum 90-day					
Storag	e [40 CFR 268.	50]	e					
1.	Are prohibited	i* wastes stored	d on site in containers?					
	Yes	No*	(If No, go to 2.)					
	*See Appendix E	for distinction	between restricted and prohibited wastes.					
T.		ners clearly mar CFR 268.50(a)(2	ked to identify the contents and date(s) entering (2)(i)]					
	Yes	No						
		Have wastes been stored for more than one year since the applicable LDR regulations went into effect?						
	Yes	No	(If No, go to 2.)					
	Can the facility show that such accumulation is necessary to facilitate property recovery, treatment, or disposal? [40 CFR 268.50 (c)]							
	Yes	No						
	If yes, state he	ow:						
2.	Are prohibite	ed wastes stored	on site in tanks?					
	Yes	No	(If No, go to 3.)					
	Are all tanks clearly marked with a description of the contents, the quantity of each hazardous waste received, and date each period of accumulation begins, or is such information recorded and maintained in the operating record? [40 CFR - 268.50(a)(2)(ii)]							
	Yes	No	s s					
	Have tanks b		least once per year since the applicable LDR regulations					
	Yes	No	(If Yes, go to 3.)					

C.

	***		**,	
		•		

		recovery, treat	ment, or disposa	1? [40 CF	R 268.5	O(c)]	radilitato	proper
		Yes	No					
9)		If yes, state ho	w:					
9	3.	greater than or	ty store liquid he equal to 50 ppi	m?	*		Bs at con	centrations
		Yes	No	(If No, g	go to D.)	*		ros s <sup>c</sup>
		Does the facili	ty meet the TSC	CA criteri	a in 40 C	FR 761.65(t	o)? [40 C	FR 268.50(f)]
		Yes	No					
		Have these wa	stes been stored	d for more	e than on	ne year? [40	CFR 268.	.50(f)]
	¥.	Yes	No					
D.	Treatn	nent						
	1.	Does the facil	ty treat restricte	ed wastes	other th	an in surface	impound	dments?
•.		Yes	No X	(If No,	do not co	mplete this:	section.	Go to E.)
	2.		echnologies use CFR 268.42? [				reatment	standards
		Yes	No	NA	(	If Yes or NA	4, go to 3	.)
		Was an altern	ative method ap	proved?			(a	
		Yes	No					
			e code, the tech					
		Waste Code	Required Tec	hnology	Alterna	tive Method	<u>i</u>	Approval
	3.	from lab pack	alternative trea s containing D0 with the subpar 42(c)(4)]	04, D005	D006, I	0007, D008,	D010, and	d D011 treated
		Yes	No	NA				

•			•	•	
				4	

4.	Desc	ribe all other waste codes and treatment processes:						
	Wast	e Code Treatment Processes						
	•							
•	, —							
5.	Char	acteristic wastes:						
		e 40 CFR Part 268 treatment standard lower than the 40 CFR Part 261 acteristic level?*						
	Yes	No						
	*This and 2: chara:	applies to both concentration based treatment standards specified in 40 CFR 268.41 68.43, and to some 40 CFR 268.42 required methods which result in treatment below the cteristic level. See Appendix D.						
•	treat	s, does the facility manage the waste as restricted until 40 CFR Part 268 ment standards are met, even after the waste is rendered non-hazardous? [40 268.9(d)]						
	୍Yଣ୍ଡ ୁ	No						
	Com	ments						
б.	Dilut	Dilution Prohibition [40 CFR 268.3]:						
	a.	a. Does the facility mix prohibited wastes with different treatment standards?						
		Yes No (If No, go to c.)						
		List the wastes						
	b.	Are the wastes amenable to the same type of treatment? [55 FR 22666]						
		Yes No						
		If yes, is this method used for the aggregated wastes?						
		Yes No						
	•	Comments						
	c.	Based on an assessment of points a. and b., or any other relevant information, is dilution used as a substitute for treatment? [40 CFR 268.3(a)]						
		Yes No						
		Comments						

	•		•	
				V.
		•		

7.	Does the facil from all treats	lity, in accordance with an acceptable waste analysis plan, test residues ment processes? [40 CFR 268.7(b)]
	Yes	No
	Comments	
8.		lity ship any characteristic wastes which have been rendered non- a Subtitle D facility?
	Yes	No (If No, go to 9.)
	Complete the	e following table:
	Waste Code	Receiving Facility
	ALBERTANIN HELLENGEN STONES	
	,	
		ation and a certification for each shipment sent to the Regional r or authorized State? [40 CFR 268.9(d)(1) and 268.7(b)(5)]
	Yes	No
9.	Does the faci facility?	lity ship any wastes or treatment residues to an off-site land disposal
	Yes	No (If No, go to 10.)
	Complete the	e following table:
	Waste Code	Receiving Facility
	<u> </u>	
		ation and a certification provided to the land disposal facility with each ent? [40 CFR 268.7(b)(4) and 40 CFR 268.7(b)(5)]
	Yes	No
10.		ility ship any wastes or treatment residues to be further managed at a attment or storage facility?
	Yes	No (If No, go to E.)

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		Complete the following table:
		Waste Code Receiving Facility
		Are appropriate generator notifications and certifications provided to the receiving facility with each waste shipment? [40 CFR 268.7(b)(6)]
		Yes No
E.	Surfac	ce Impoundments [40 CFR 268.4]
	1.	Are restricted wastes placed in surface impoundments for treatment?
		Yes No (If No, go to F.)
	Se	List
	2.	Are evaporation or dilution the only recognizable treatment occurring in the surface impoundment? [40 CFR 268.3(a) and 268.4(b)]
		Yes No
		Comments
	<sub>3</sub> 3.	Has the facility submitted to the Agency a waste analysis plan and certification of compliance with minimum technology requirements and ground-water monitoring requirements? [40 CFR 268.4(a)(4)]
		Yes No
	4.	If the minimum technology requirements have not been met, has a waiver been granted for that unit? [40 CFR 268.4(a)(3)(ii)]
		Yes No NA
	5.	Are representative samples of sludge and supernatant from the surface impoundment tested separately, acceptably, and in accordance with the sampling frequency and analyses specified in the waste analysis plan? (Attach test results.) [40 CFR 268.4(a)(2)(i)]
		Yes No
	6.	Does the operating record adequately document the results of waste analyses performed in accordance with 40 CFR 268.4? [40 CFR 264.73(b)(3) and 265.73(b)(3)]
		Yes No
		Comments

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75.		**.	***	
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7.	Do the treatment residues (sludges or liquids) exceed applicable treatment standards/prohibition levels?							
	Sludge Supernatant	Yes Yes	No	Waste Code	39,			
	Provide the fr	equency of ana	ilyses conducte	d on treatment residues:				
8.	If sludge resid an annual basi	ues exceed tre is? [40 CFR 26	atment standa 58.4(a)(2)(ii)]	ds/prohibition levels, are they rem	loved on			
	Yes	No	NA					
	Comments		\ 					
	Are residues s 268.4(a)(2)(iii	ubsequently m )]	anaged in ano	her surface impoundment? [40 C	FR			
ā	Yes	No						
9.	If supernatant greater than in	is determined appoundment v	to exceed trea olume? [40 C	tment standards, is annual through FR 268.4(a)(2)(ii)]	ıput			
		No		8				
250	Comments	1.						
Land	Disposal							
1.	impoundment	wastes placed s*, waste piles, s, or bunkers?	land treatmen	nd in units such as landfills, surface t units, salt domes/beds, mines/cav 2(c)]	es,			
	Yes	No 🔀	(If No, go to	G.)				
E3 (I	*Note: Do not	include surface	impoundments ad	dressed in E.				
	If yes, specify	which units and	d what wastes o	ach unit has received:				
	Unit		Was	<u>te</u>				
2.	wastes prior to	ity, in accordant land disposal vels have been	to ensure that	eptable waste analysis plan, test pr all applicable treatment standards 268.7(c)(2)]	ohibited and/or			
W	Yes	No	e	0	a a			
	Comments	Nort	Actop	ind Mustelat				

F.

•	•	•	·			
				•		
	,				•	
						•

Does the fa the point of	Does the facility test wastes to ensure that they do not exhibit any characteristics at the point of disposal?* [40 CFR 268.9(c)]						
Yes	No	NA					
*Note: A wa	ste may exceed a characteristic h	characteristic level only if the treatment standard for las been met.					
Does the operformed 265.73(b)(3	in accordance w	adequately document the results of waste analyses ith 40 CFR 268.7(c)? [40 CFR 264.73(b)(3) and					
Yes	No						
If yes, at wi	hat frequency ar	e analyses performed?					
Does the fa	acility land dispo	ose of restricted wastes which are not prohibited?					
Yes	No	(If No, go to 6.)					
List waste	codes in approp	riate category below:					
Case-By-C No-Migrat	ase Extension (4)	e (40 CFR Part 268, Subpart C) 40 CFR 268.5) CFR 268.6) nce (40 CFR 268.44)					
copy of the restricted v	e generator notif	contain records of the quantities, date of placement, and a fication [40 CFR 268.7(a)(3)] for each shipment of a case-by case extension or no-migration petition? [40 is.73(b)(10)]					
Yes	No	NA					
Do land di case-by-ca	sposal units rece se extension me	eiving wastes covered by a national capacity variance or et the requirements in 40 CFR 268.5(h)(2)?					
Yes	No	NA					
	ity has a case-by the Regional Ac	-case extension, is progress being made as described in dministrator?					
Yes	No	NA					
Are restric	cted wastes place	ed in underground injection wells?					
Yes	No	List					
·							

		-	

Other	Wastestreams
1.	Does the facility generate wastes other than residues from RCRA treatment units?
	Yes No (If No, go to H.)
2.	On-Site Management
8	a. If characteristic wastes are treated in systems regulated under the Clean Water Act, have the following been documented: the determination of restriction, how restricted wastes are managed, and why wastes discharged pursuant to an NPDES permit are not prohibited (if applicable)? [55 FR 22662]
	Yes No NA
ā	b. If characteristic wastes are treated in RCRA exempt units to render them non-hazardous, are the wastes managed as restricted until 40 CFR Part 268 treatment standards are met?* [40 CFR 268.9(d)]
	Yes No NA
	*This applies to both concentration based treatment standards specified in 40 CFR 268.41 and 268.43, and to some 40 CFR 268.42 required methods which result in treatment below the characteristic level. See Appendix D.
3.	Off-Site Management: Waste Exceeds Treatment Standards
25	Are wastes that exceed treatment standards/prohibition levels (not subject to a national capacity variance) shipped to an off-site treatment or storage facility?
	Yes No (If No, go to 4.)
	Identify wastes code(s) and off-site treatment or storage facilities to which wastes ar shipped.
	Waste Code Receiving Facility
(2)	
	Are LDR notifications provided for each shipment to the treatment or storage facility? [40 CFR 268.7(a)(1)]
	Yes No (If No, go to 4.)
	155 NO (11 NO, go to 4.)

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	If alternative treatment standards are specified for lab packs, is the certification required in 40 CFR 268.7(a)(7) or (8) included with the notification?						
	Yes	No	NA				
4.	Off-Sit	e Management: Was	tes Meets Treatment	Standards			
	a.	Are wastes that meet off-site disposal facil.		/prohibition levels shipped to an			
		Yes	(If No, go	to 5.)			
		Identify waste code(	s) and off-site disposa	ıl facilities:			
		Waste Code	Receiving Facility				
•		i		_			
•		***		·····			
			ons and certifications OCFR 268.7(a)(2)(i)	provided for each shipment to the and 268.7(a)(2)(ii)]?			
		Yes No _	(If No, go	to b.)			
	b.		astes which have been shipped to a Subtitle	n rendered non-hazardous (in a D facility?			
	•	Yes No_	NA	(If No or NA, go to 5.)			
		Complete the follow	ving table:				
		Waste Code	Receiving Facility				
		<u></u>		·			
				<del>-</del> -			
		Are a notification as Administrator or au	nd a certification for outhorized State? [40]	each shipment sent to the Regional CFR 268.9(d)(1) amd 268.7(b)(5)?			
		Yes No					

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5.	Off-Sit	Management: Wastes Subject to Variances, Extensions, or Petitions
	a.	Are wastes that are subject to a national capacity variance (40 CFR Part 268, Subpart C) or a case-by-case extension (40 CFR 268.5) shipped to a treatment, storage, or disposal facility?
		Yes No (If No, go to 6.)
		Complete the following table:
		Waste Code Receiving Facility
	b.	Are LDR notifications (stating that the waste is not prohibited from land disposal) provided for each shipment to the off-site receiving facility? [40 CFR 268.7(a)(3)]
		Yes No
6.	Diluti	n Prohibition [40 CFR 268.3]:
	a.	Are prohibited* wastes with different treatment standards mixed?
		*See Appendix E for distinction between restricted and prohibited wastes.
		Yes No (If No, go to b.)
	-	List the wastes
	-	Are the wastes amenable to the same type of treatment? [55 FR 22666]
		Yes No
	·	Comments
	b.	Are prohibited wastes diluted to meet treatment standard criteria, or render them non-hazardous? [55 FR 22665-22666]
		Yes No (If No, go to c.)
		Check appropriate category:
		Dilutes to meet treatment standards Dilutes to render waste non-hazardous

<b>N</b>		**.		
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	Do wastes fall into the following categories? (Check it appropriate.) [40 CFR 268.3(b)]
	Managed in treatment systems regulated under the Clean Water ActNon-toxic* characteristic wastes
	Treatment standard specified in 40 CFR 268.41 or 268.43
	*Non-toxic = D001 (except high TOC nonwestewaters), D002, and D003 (except cyan and sulfides). [55 FR 22666]
	If the wastes do not fall into the above categories, briefly describe the conditions under which they were diluted.
c.	Based on an assessment of points a. and b., and any other relevant circumstances, are prohibited wastes diluted as a substitute for adequate treatment? [40 CFR 268.3(a)]
	Yes No
	Comments
.dditional (	Comments, Concerns, or Issues Not Addressed in the Checklist:
dditional (	
dditional (	Comments, Concerns, or Issues Not Addressed in the Checklist:
Additional C	Comments, Concerns, or Issues Not Addressed in the Checklist:
Additional C	Comments, Concerns, or Issues Not Addressed in the Checklist:
Additional C	Comments, Concerns, or Issues Not Addressed in the Checklist:
Additional C	Comments, Concerns, or Issues Not Addressed in the Checklist:
dditional (	Comments, Concerns, or Issues Not Addressed in the Checklist:
Additional	Comments, Concerns, or Issues Not Addressed in the Checklist:
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Additional	Comments, Concerns, or Issues Not Addressed in the Checklist:
Additional	Comments, Concerns, or Issues Not Addressed in the Checklist:
Additional	Comments, Concerns, or Issues Not Addressed in the Checklist:

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### ACT 64/RCRA INSPECTION REPORT

.D. Number (U.S. EPA or Mich	igan) M 1 D 9 4 C	2363111
	Motor co. Allen!	
	02 1520 Contrar	
_Dear	city	Michigan 4820 Zip Code
DATE 3/25/93	TIME (from)	(to) 1100
PERSON(S) INTERVIEWED	TITLE	TELEPHONE #
JESS HOW WILL		313-322-0700
	х х	
INSPECTOR(S)	AGENCY	TELEPHONE #
Kurt Childs	MANA	313-953-0241
1		
Primary Business of this Faci	ility: Lawdfill	
1		
Do you discharge a process was	astewater to the local yes r	POTW, that would otherwise
Reason for Inspection:		
Routine	Follow-up	Complaint
(rev. 07/01/91)		PR5122

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### Act 64/RCRA Inspection Report

ased upon the inspection, this facility:	FORM
does not generate any hazardous waste	
conditionally exempt small quantity generator	E
small quantity generator inspection form	-A
generator inspection form generator tank(s) system inspection form	B -B1
transporter inspection form	С
boilers and industrial furnaces	- F
treatment/storage/disposal facility (Subpart A-E & I) generator appendix inspection form  TSDF tank system inspection form (Subpart J) surface impoundments inspection form (Subpart K)  waste piles inspection form (Subpart L)	-D D1 - D2 D3 -D4 D5 -D6 D7 -D8
INTERIM STATUS TSDF	-D9 D1 D10 - D2 D11 -D12 D13 -D14 D15 -D16
COMMENTS: ACT 64 PERMIT Cherle 135	

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			*		

MID980568711	Inspector: Date: -	Kurtch 3/	:192	<del></del>
A. COVERAGE OF LICENSE				
The location of the hazardous waste I-94, Oakwood Boulevard, M-39, and Clicense.	landfill wit Outer Drive a	thin the area are covered by	bounded y this	. by
1. Has there been any expansion beyo or in the landfill design capacit Engineering plan of July 6, 1988	y of 646 act	re-feet in the	e	
	3	У N	$\swarrow$	
If Yes Did the FMC Allen Park get Director?		tion permit f	A	A
B. Acceptable Waste Types	A	. •		
1. Has Ford Motor Company (FMC) accompany (Check Manifest):	epted waste	other than		
K061 - Electric furnace emission consludge from coking operations F006 coking operations D004 - EP Toxic - EP Toxic -Cadmium D007 - EP Toxic D009 - EP Toxic -Mercury D010 - EP Silver 001D - EP Toxic -Copper 003D	- Wastewater Arsenic D00 -Chromium D Poxic -Selen	treatment sl 5 -EP Toxic - 008 - EP Toxi ium D011 - EP	udge fro Barium D c -Lead	om 0006
If yes, list:				
Z. Has the FMC APC accepted, for di the following criteria:	sposal, any	wastes which	meet any 18/92	y of
NOTE: The following shall not be acthis facility.	cepted for d	isposal by	YES	NO
<ul> <li>a) Ignitable wastes as described</li> <li>b) Reactive waste as described i</li> <li>c) Bulk or noncontainerized liquids.</li> </ul>	n R. 299.921	.2(3)		

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					* .
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	d) Containers holding free liquids, including lab packs.		
	e) Waste which will do the following:  (I) Adversely effect the permeability of the clay		
	liners.		
	(II) Produce a leakage incompatible with the synthetic liner and leachate collection system, discharge piping and off-site sewer system.	÷	
	(III) Generate gases which will adversely effect the permeability of the clay cap.		<del></del>
	(IV) Create a violation of the 1975 PA 348 (clean air act) and rules promulgated there under.		***************************************
ı	f) Waste which are banned from landfilling unless a variance is obtained from this ban from the regional administrator of EPA.	Are Constant Cardo	
<b>}</b> .	If Land Ban waste, has FMC submitted a revised Waste Analysis Plan to the Chief of the Waste Management Division (WMD) which describes the procedure to be used to ensure that these waste are not landfilled.  YNN	NF	+
7	Note: The plan should be submitted for approval 60 days prior to the effective date of such rules. If the effective date is less than 60 days from the promulgated date, the licensee should submit the revised plan no more than 60 days upon which such rules are finalized.		
4.	Are all waste coming and being accepted placed in a closed container or otherwise totally contained or covered during transportation.		A
~g	Landfill Construction and Design Specifications		
	The licensee shall do the following prior to		
	constructing cell 2.	YES	NO
a)	Did FMC verify that the natural clay base consist of not less than six meter of soil with a maximum permeability of 1.0 X 10(-6) (0.000006) cm/sec, or equivalent base approved by Chief of WMD as required under R299.9603.	$\leq$	
Da:	·	8/92 YES	NO
b)	Did FMC submit documentation for approval by the Chief of the WMD within 60 days of the effective date of this license that section V of the construction quality assurance plan (attachment) was followed during removal of the water from the bottom of the cell 2 to prevent basal heave. If the quality assurance plan is not		
	followed, the FMC will be required to furnish some more		

	·	*	•	•	
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	information that the natural clay meets the requirement of Act 64.	$\searrow$		
c)	Did FMC submit a plan for approval, by the chief of the WMD, within 60 days of the issuance of the license to construct and evaluate a test fill which demonstrates that the proposed design can be constructed in accordance with the approved plans and specification, (attachment 7) and will perform in accordance with the basis of design.	7		
d)	Has FMC submitted the result of the test fill evaluation and received approval by the Chief of WMD, that the test fill evaluation required in C.I.c. has demonstrated that constructibility and performance of cell 2.	$\searrow$		
e)	Has FMC submitted a plan for approval, by the Chief of the WMD, within 60 days of issuance of this license for obtaining additional soil shear strength detail below and lateral, to cell 2 and re-evaluation of the stability of the design slopes.	X		
f)	Has FMC submitted the data and slope stability evaluation and received approval from the chief of the chief of WMD that sufficient data has been obtained and the evaluation demonstrates an adequate degree of stability for the design slopes.	F		
	<ol> <li>If this evaluation does not demonstrate an acceptable factor of safety, has FMC revised engineering plans and design specification submitted which reflects a new design of the slopes.</li> </ol>		(	UA
2.	For cell 2, has FMC designed, constructed, operated and maintained a liner system which complies with R. 299.961	١١١١	JeV Cami	rletic
	Does the liner include: A leachate collection and removal system to collect and remove leachate from the landfill.  3  2/	18/92	197	2
Dat	6			
	A composite primary liner which consist of the following:	ı		
	<ol> <li>A top component consisting of HDPE synthetic liner which is minimum of 80 mils thick that prevents waste</li> </ol>	:		

•	19.	•	**	**	
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, <i>,</i>	A lead A second which Is the a) Desire	com passing into the liner during active life of the cility.  broken component consisting of compacted clay which minimum of 150 centimeters thick.  YN  chate detection and collection and removal system.  yN  condary liner consisting of HDPE synthetic liner is a minimum of 60 mills thick.  yN  cliner required in condition C.2:  esigned and installed in accordance with the pecification included in attachment 9 and based on equirement detailed in Michigan Act 64, Rule 99.9621(1)(c) and 299.9620(2).		Certificated Bernalded MANA
	16	oped not less than 2% at any point and drain to eachate collection (or leak detection) liners or imps.		
4.	compat liner	YNNNNC submitted a program for demonstrating sibility of leachate with the specified synthetic and all other construction material to be used 1 21 days of the effective date of this license.		
2	and	the approved compatibility testing program conducted the result evaluated with respect to the basis of sign requirements.	ed the	
\$5.	leacha	MC designed, constructed, operated and maintained a ate collection and removal system to collect and e leachate from the landfill.		
	a) Fo	or cell 1, has FMC assured all of the following: ) That the leachate collection system is maintained, inspected, and operated to maintain a leachate head on the liner of 12 inches of less.  4 2/	¥ES 18/92	NO
Dat	te:	-	YES	NO
	i.	i) That the flow volume is continuously recorded.	$\perp$	
	b) F	or cell 2, has FMC assured all of the following:		
	i	) That leachate collection system for the cell possess a hydraulic conductivity of 1 X 10 to		

, .	FILI	, [N*********			
	-Does and r in at	the drainage media of the leak detection, collective moval system meet those specification outlined tachment 9 of this license or other specification oved by the Chief of WMD.	on		Celf
	Date:		2/18/92 <b>YES</b>	NO	
	migrat	e system capable of detecting and removing any ing liquid through the cells, including sidewalls cluding the volume and quantity of such liquids.			
· ·	Has FM collect all ce	C design, constructed and operated a leak detection and removal system beneath the primary linerels.	on, of	***************************************	
X	CO	r cell 2, are leachate removal and collection nstructed according to attachment 7 and the ecification contained in attachment 9.		<i>L</i>	284.
5	(vi)	That flow volume removal are continuously recorded.	$\leq$		
,	<b>v</b> )	The daily cover and waste placement in the cell are done in such a manner that the flow of leachain the collection system to the sump is not prevented.	te 	) _ N	M
	Xiv)	That the leachate collection sumps have a volume not less than 4000 liters and are accessible for removal of leachate and as necessary for maintenance of the leachate removal system. The sumps shall be constructed of material compatible with the leachate formed in the landfill.			,
•	Xiii)	That leachate system is maintained, inspected, and operated to maintain a leachate head on the primary liner of 12 inches or less.			Court,
	(F)	That the leachate collection system include a system for collecting and draining leachate from the side walls of each cell.			
	4	power -2 cm/sec and a transmissivity of at least 3 X 10 to power -1 cm squared per second and are composed of that drainage media specified in attachment 9 or other media approved by the director.		, , , , , , , , , , , , , , , , , , ,	

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Run-on, Runoff, And Contaminant Control.

7	Did the licensee -	
	Construct, operate and maintain a run-on control system capable of preventing flow to the active portion of the facility during peak discharge from at least a 24 hour, 25	10-
	year storm.  YN	JP
	Divert runoff from non-active portions of the site to drainage ditches as specified on the engineering plans (Attach. 7)	
<b></b>	Collect and control the water volume resulting from active section of the facility from at least a 24 hour, 100 year storm. Note: This runoff shall be discharged in accordance with the Federal Clean Water Act and 1929 PA 245.	r A
	YN	JA
	Does the licensee require:	
am	That all waste delivery truck traffic within the active cell be on a pavement or clean daily-cover to ensure that the contaminant are not carried out of the cell to the haul road.  YNN	WA
	- Does the licensee operate and maintain a vehicle wash facility?  YNN	
<b></b>	- If yes Does the licensee ensure that vehicles traveling on active portion of the site are cleaned and decontaminated at the facility before leaving the activity area.	010-
	YN	MA
7	ate:6 2/18/92	2
Į.	Waste Placement  Does the licensee:	
-	Only place waste in the portion of cell 2 for which certification has been approved by a registered professional engineer.	AV

Tal.	**.		•	*	1.
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1	Assure that the containers are at least 90% full when placed in a landfill, or crushed, shredded or simply reduced in volume to the maximum practical extent bef burial in a landfill. If crushed in a landfill site, containers shall be crushed only in a landfill cell wis fully certified by a registered professional enging	ore hich	
	YP	1 N	
1-	Record the contents, quantity, and location of each of waste deposit in the operating log. NOTE: This informshall be recorded on a map or diagram of each cell of disposal area and shall include cross reference to specific manifest document numbers.	nation	1.2
	Υ	<u> </u>	JPO
F.	. Environment And Human Health Standards		
X	Does FMC operate the facility in a manner that will prevent all of the following:  Danger to human health, welfare or the environment.		
,	Υ	_N	
*-	- Violation of the Federal Clean Water Act as amended Michigan Water Resource Commission Act.	and _N	
A	Air emission in violation of Federal Clean Air Act, amended, the Michigan Air Pollution Act.	as	
	у	_N	
A-	- Exposure of humans or the environment to harmful qua of hazardous waste or hazardous waste constituents	ntity	
<del>\</del>	Pollution, impairment or destruction of the natural resources of the state.	_N 2/18/92	
√∫Da	Date:		
*-	Does the licensee place at least 15 cms of clean soi other material approved by the Chief of Waste Manage Division over the waste at the end of each working d	ı or ment ay.	A .A
	v	N =	1 194
r)c	Does FMC effectively:		10.
W2-	Control Fugitive dust emission, in the manner approv	red by	

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## PERMIT CHECKLIST FORD ALLEN PARK CLAY MINE

	the Chief of Waste Management Division.				
		Υ	N	<i>l</i>	MQ-
	Control all paved roads and make sure they as least once during the days operation by a med vacuum sweeper or other means approved by the Waste Management Division.	chanica	1.		ŭ
•	Does FMC operate the vehicle wash facility as in such a way that aerosol sprays and other emissions generated therefor do not result is of the 1965 P.A. 348 as amended.	atmosph	eric		
		Υ	N	<u></u>	
4000	Does FMC operate all vehicles in a manner wh the contamination of on-site haul roads.	ich min	imizes		1 A
		Υ	N		IVA
-	How does the facility handle the sludge from wash sump?	the wh	eel		
ا	Note: The sludge should be handled as listed waste for those waste types accepted at the Generator requirements.	hazard facilit	ious Y		
E	Does FMC maintain an inspection log for all facility for the past six months.	vehicle			
\ <u>`</u>				-	
1	Do these records indicate that there is any cargo section of any vehicle leaving the fac	ility.			4
_		Υ	N2/1	[8/92]	VA
No.	te:	waste i	s		
G.	Partial Closure			YES	NO
1.	Close the landfill in accordance with plan	13/ of	attach-		

## PERMIT CHECKLIST FORD ALLEN PARK CLAY MINE

	7,5, & schedule. and specification of attachment 9.	}	A c
	Is there an established shallow rooted grasses or is the a plan to start one in the earliest possible time to maintain the vegetation so as to stabilize the cap and prevent erosion	re	$\wedge$
<b>X</b> .	Has FMC submitted, to the director, a detailed partial closure plan consistent with the license for each portio of Cell 2 at least 180 days before the expected date of partial closure.	n	(V`.
	What is the expected date of closure		
н.	Final Closure		
1. D	FMC shall complete final closure in accordance with the schedule, engineering plans, and specifications of attachments 5,7, & 9.	NA	
FEL	DERAL PERMIT CONDITIONS		
Are	e waste minimization certifications maintained as part of erating log? (264.73(b)(9) (I. Standard Condition G.5.)	the	
	Yes No		
*********	Facility Not IN operation yes		
in-	es the permittee certify at least annually that they have -place to reduce the volume and toxicity of hazardous wast specified in I. Standard Condition H.  Yes No Mo	a program ce generated	
Do	9 <b>te:</b>	2/18/92	
		ngal	
Do pr	es the Permittee comply with all the applicable land dispondibitions of 40 CFR 268? (II. Land Disposal Restrictions	s)	
	Yes No N/A		

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## PERMIT CHECKLIST FORD ALLEN PARK CLAY MINE

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scuss corrective action status with the appropriate US gineer assigned to the facility. (Rich Traub, US EPA pervisor (312) 886-6136. He is the contact for determ propriate Engineer assigned.) EPA Permit Engineer: atus Update from USEPA:	Permit Unit ining
nspection results:	
inspection results.	

	***	•	16.	•	N.	
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## PERMITTED TREATMENT/STORAGE/DISPOSAL FACILITY INSPECTION FORM

cility's Name Total	125×20, All	EN PONK Ch	3 Wall to	INSPECTION FORM D Part 6 Rules
te \$125	I.D. # MND99	5056971		P.A. 64 of 1979
is facility, in add: Generates Hazardo Transports Hazaro	ous Waste (also u	ise Form D1)		disposal facility:
is facility: Accepts waste from Handles only its		:es	: :	
applicable, hazard Container(s) (dro Tank(s) (also Waste pile(s) ( Surface Impoundm Miscellaneous Un	ums, totes, roll- use Form D2) also use Form D4) ent(s) (also use	off boxes, ) Form D3)	etc)	Number of units
Container(s)	ent(s) (also use lso use Form D4) also use Form D5 so use Form D7)	e Form D3)  m D2)  orm D2)		
Landfill (also u Incinerator (al	ent(s) (also use (also use Form D se Form D6)	Form D3) 5)		
•	WASTE	STREAM(S)		
AZARDOUS WASTE # CODE/NAME	SOURCE	TYPE STORA		HOW MUCH/ TIME PERIOD
			1-12-1-12-12-1-1-1-1-1-1-1-1-1-1-1-1-1-	

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reatment/Storage/Disposal Facility
form D

AZ 10US WASTE # <u>LODE/NAME</u>	SOURCE	TYPE OF <u>SÍORAGE</u>	HOW MUCH/ TIME PERIOD
			•
AND BAN WASTE	YES X		<del></del>
- Not IN OBS	1: tull voitable	summer -	*
- Background	Leadhote	Sampling;	Novagress
~ INSpection	usy trailwing	1 CONT MyeNO	Y Plan, Closine Los
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			olation Class	Yes	<u>No</u>	N/A
1_		ENVIRONMENTAL AND HUMAN HEALTH STANDARDS GENER	RALLY (	Rule	602)	
۴1.	Is pre	the TSDF operated in a manner that will \rightarrow  event the following:	/X			
	a)	Violations of Federal Clean Water Act or Act 245. (Rule 602(1)(a))	(N/A)	[ _ ]		X
	b)	Air emissions in violation of the Federal Clean Air Act or Act 348. (Rule 602(1)(b))	(N/A)	£_3		
	c)	Degradation, as defined in act 245, of a sole-source aquifer. (Rule 602(1)(c))	(N/A)	C_1		
	d)	Exposure of humans or the environment to harmful quantities of hazardous waste/constituents. (Rule 602(1)(d))	(N/A)	ť_1		
	e)	Pollution, impairment or destruction of nature resources of the state. (Rule 602(1)(e))	al (N/A)	£_1		_
	-	FACILITY DESIGN AND OPERATING STANDARDS	(Rule 6	04)		1
2.	Ιf	applicable, are the following maintained at th	ne TSDF:			
	a)	A run-on control system for a 24-hour, 25-yea storm. (Rule 604(1)(a))	(N/A)	ţĂ.		
	b)	A run-off management system for a 24-hour, 100-year storm. (Rule 604(1)(b))	(N/A)	t 🖈		
	c)	Systems to prevent hazardous waste/constituen from escaping. (Rule 604(1)(c))	its (N/A)	į X		
Rule	605	5 refers to 40 CFR 264, Subpart B, 264 10-264.1	.8			
		GENERAL FACILITY STANDARDS (264.11 &	264.12	<u>)</u>		
3.	Doe	es the facility have an EPA id #. (264.11)	(I)	i		
4.	I f	required, have the following been notified:				
	a)	Director of receipt of hazardous waste from a foreign source. (264.12(a))	(11)	£_3		$\checkmark$
	p)	The generator that the TSDF has permit(s) for and will accept the generators waste (copy of letters in operation record) (264-12(b))		ſì		$\angle$

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				e.
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			ation ass	<u>Yeş</u>	<u>No</u>	<u>N/A</u>
	<b>c</b> )	Director on change in owner/operator. (264.12(c))	(11)	[_]		>
		GENERAL WASTE ANALYSIS (264.13)				•
5.	Has	the owner/operator obtained a detailed chemical physical analysis of the waste. (264.13(a)(1))	(1)	t_]		
6.	If it	necessary, has analysis been repeated to ensure accurate. (264.13(a)(3))	(1)	[_]		1
7.	າດຣ	necessary, is waste received from off-site pected/analyzed to determine if it matches the ifest. $(264.13(a)(4))$	(1)	C_1		
3.	Doe ana	s the owner/operator have a detailed waste lysis plan on file at the facility,	(1)	î 🍇		
	Doe	s the plan include:				
	a)	The parameters to analyze waste. $(264.13(b)(1))$	(I)	K		
	p)	Test and sampling methods. (264.13(b)(2&3))	(1)	$[\nearrow \searrow]$		
	c )	Frequency initial analysis will be reviewed or repeated. (264.13(b)(4))	(1)	12/2	<del></del>	···
	d)	Off-site waste analysis from generator and any additional analysis required. (264.13(b)(5&6))	(I)	( <b>A</b>		
	e)	For surface impoundments, exempt from land disposal restrictions under 268.4(a), the following schedule and procedures:				
		i) Sampling of impoundments.(264.13(b)(7)(i))	(I)	[_]		
		<ul><li>ii) Analysis of test data and annual removal of residues. (264.13(b)(7)(ii&amp;iii)(A)(B)(1-2))</li></ul>	(I)	[_]		$\geq$
<b>&gt;.</b> ⊃inme	ins	s the waste analysis plan specify procedures for pection and analysis of each off-site waste to ure that it matches the manifest. (264.13(c))	(1)	Ki	<del></del>	
					, <del></del>	

			4.
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		ation ass	Yes	<u>No</u>	N/A
	<u>SECURITY (264.14)</u>				
10.	Is unknowing entry prevented into active portion (unless demonstrated to Director the physical contand disturbance will not cause a violation), by:	act			,
	a) 24-hour surveillance. (264.14(b)(1))	(I)	[_]		X
	OR				
	b) Artificial or natural barrier and controlled entry. (264.14(b)(2)(iⅈ))	(I)	$\approx$	-	
	c) Danger sign(s) at entrance. (264.14(c))	(1)	tX1	-	
~( .	GENERAL INSPECTION REQUIREMENTS (28	94.15)			
12.	Does the owner/operator inspect the facility for malfunctions, deterioration, operator errors and discharges of hazardous waste that may effect human health or the environment. (264.15(a))  Does the owner/operator have a written inspection schedule kept at the facility with the following: (264.15(b)(1&2))	(11)			***********
	a) Monitoring equipment. (264.15(b)(1))	(II)	ľ <u>w</u> j		*e-series to the reserve
	b) Safety & emergency equipment. (264.15(b)(1))	(II)	ι <u>Σ</u>		<del></del>
	c) Security devices. (264.15(b)(1))	(11)	K	***************************************	<del></del>
	d) Operating and structural equipment (i.e.: dikes, pumps, etc.) 264.15(b)(1))	(II)	ιΣį		
	e) Types of problems to be looked for (i.e.: leak fittings, eroding dike, etc.) (264.15(b)(3))	(II)	[\f\]		
	f) Inspection frequency based on: (264.15(b)(4))	(II)	TXI		<del></del>
	i) Possible deterioration rate of equipment.	(II)	152		
	ii) Areas subject to spills daily.	(II)	$\bowtie$		
1-	Does the owner/operator keep a record of inspection in an inspection log at the facility that contains the following: (264.15(b)(2) & (d))				,
	<ol> <li>Date and time of inspection.</li> </ol>	(11)	1/4		



								Viola <u>Cla</u>		<u>Yes</u>	<u>No</u>	N/A	
	i	i)	Name of t	he ins	pector.				(11)		***************************************		
	ii	i)	Notation	of obs	ervation	ns made.			(II)	$\mathbb{Z}_{3}$	<del></del>	<del>,</del>	
$\checkmark$	į, į	<b>v</b> )	Date and remedial			airs or	other		(II)				
14.	Were malfunctions/deterioration of equipment or structures remedied on a schedule which ensures that the problem does not lead to an environmental or human health hazard. And where a hazard is imminent or already occurred remedial action is taken immediately. (264.15(c))												
Comme	ents:	_	Singi-	718,		invel	H 594	stem	50	mpte	L Ac	Urden	
	Ma	lip	us		1		:						
				PER	SONNEL I	<u>[RAINING</u>	(264.	<u>16)</u>					
15.	Do p	ersc	onnel trai	ning r	ecords o	contain	the fol	lowing	<u>.</u>				
	a)	Job	title? (	264.16	(d)(l))	r			(11)			<del></del>	
	p)	Job	descripti	ons?	(264.16)	(d)(2))			(11)	(X			
	⊂)	Name	of emplo	yee fi	lling jo	obs? (2	54.16(d	)(1))	(11)	$[ \checkmark]$			
	d)		continued						(11)	16		<del></del>	
	e)	faci	raining c ility pers ctively t	onnel	are able	e to res	bnoq	)	(I)	ιχí			
	d)	Reco	- ords of tr	aining	? (264.	.16(d)(4	) )		(11)	[ <u>\</u> 2]			
	e)		new persor ining with			•	(b))		(I)	M			
. L	X	pers	personnel sonnel hav lew of ini	e take	n part i	in an an	nual	at	(1)	t1		2	
Comm	ents:	_					····			-10-11		····	

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			Violation <u>Class</u>	Yes	<u>No</u>	<u>N/A</u>
GENE	RAL	REQUIREMENTS FOR IGNITABLE, REACTIVE OR I	NCOMPATIBLE	WASTE	(24	4.17)
16.	Ιf	required, are the following taken:				
	a)	Ignitable/reactive waste separated and protected from ignition sources with 'No smoking' signs. (264.17(a))	(1)	[_]		<u>\</u>
	р)	Precautions to prevent reactions which generate extreme heat, fire, gases, damage facility, or other like means that threathuman health & environment. (264.17(b))		£_1		
	c)	Are actions taken in b, documented. (264.	17(c)) (I)	[_]	<del></del>	
Rule	606	refers to 40 CFR, Subpart C, 264.30-264.3	7			
X		PREPAREDNESS AND PREVENTION	(264.30)			
17.	min or	the facility maintained and operated to imize the possibility of fire, explosion, release of hazardous waste or hazardous te constituent? (264.31)	(1)	[ <del>[</del>	aladony deal de colonidad	
18.		required, does this facility have the foll ipment:	owing			
	a)	Internal communications or alarm systems? (264.32(a))	(I)	€_]		
	b)	Telephone or 2-way radios at the scene of operations? (264.32(b))	(1)	[ _ ]		$\propto$
	<b>c)</b>	Portable fire extinguishers, fire control spill control equipment and decontaminati equipment? (264.32(c))	on (I)	ιχί		<del></del>
	d)	Adequate volume of water and/or foam available for fire control? (264.32(d))	(I)	(×		
19.	Tes	sting and Maintenance of Emergency Equipmen	t:			
	a)	Does the owner or operator test and maintain emergency equipment to assure proper operation? (254.33)	(1)	ıXı		
Comm	en ts	5:				

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		Violation <u>Class</u>	<u>Yes</u>	<u>No</u>	N/A
b)	Has owner/operator provided immediaccess to internal alarms? (264.3	iate 34(a&b))			
	<ol> <li>i) When hazardous waste is being poured, mixed, etc.</li> </ol>	(1)	[_]		2
	ii) One employee on the premise while facility is operating		t _1		
c)	Is there adequate aisle space for unobstructed movement for personne and emergency equipment? (264.35)		[_]		
Comments			F 3		<del></del>
Rule 607	refers to 40 CFR 264, Subpart D, 2	264.50-264.56			
	CONTINGENCY PLAN AND EMERGENC	CY PROCEDURES (264	<u>.50)</u>		
	s the contingency plan contain the lowing information:	_			
a)	The actions facility personnel mustake in response to fires, explosior any unplanned release of hazard waste? (See any PIPP or SPCC plathat can be added to.) (264.52(a)	ions, dous an			
b)	Describe arrangements or attempts to make arrangements agreed to by local police and fire departments, hospitals, contractors, and state and local emergency response teams to coordinate emergency services, pursuant to (264.52(c)) & (264.37)	s.			
	If local or state authorities decl to enter into such arrangements is	ine the	\ <u>\</u>		
<b>\( \)</b>	refusal documented. (264.37(b))  Names, addresses and phone numbers (office and home) of all persons qualified to act as emergency coordinator? (264.52)(d))	2/2/97 (11)			

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			Violation <u>Class</u>	Yes	<u>No</u>	N/A
	d)	A list of all emergency equipment at the facility which includes the location and physical description of each item on the list, and a brief outline of its capabilities? (264.52(e))	(II)	î		
	e)	An evacuation plan for facility per- sonnel if evacuation could be necessary? (This plan must describe				
		signal(s) to be used to begin evacutation, evacuation routes and alternate evacuation routes.) (264.52(f))	(11)	í¥	<del></del>	
21.	Eme	rgency Coordinator and Emergency Procedures	2			
	a)	Is coordinator familiar with all aspects of site operation and emergency procedures? (264.55)	(11)	1		
	b)	Does the emergency coordinator	(11)	rØ1		
		have the authority to carry out the contingency plan? (264.55)	(11)			
2	(c)	If an emergency situation has occurred at this facility, has the		Q		
. 17	İ	emergency coordinator followed the emergency procedures? (264.56)	(I)	[_]		
22	Plai	n Amendments and Copies:				-
	a)	Has the contingency plan been amended to reflect changes in regulations, plan factor changes in the facility, list of emergency coordinators, changes in		\ /		
		emergency equipment? (264.54)	(11)	×		
	b)	Are copies of the contingency plan available on site and local emergency organizations? (264.53)	(11)	X		and a survival survival.
Comm	ents					
ARREST 11				**********		
	<del></del>			The special section of		<del></del>

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,,		, ·	Class	Yes	<u>No</u>	N/A
		USE OF MANIFESTS (Rule 608: 40 CFR 26	54.71 & 26	4.72)		
23.		the facility receives hazardous waste ompanied by a manifest, does the facility:				
	a)	Sign & date each copy. (608(1)(a): 264.71(a)(1))	(I)	`t _J		$\angle$
	b)	Note any significant discrepancies. (608(1)(b): 264.71(a)(2))	(I)	[_]		$\leq$
	c)	Give the transporter 1 signed copy of the manifest. $(608(1)(c): 264.71(a)(3))$	(I)	[_]		$\underline{\times}$
	d)	Copy sent to generator w/in 30 days and MDNR w/in 10 days after the end of the monion which the waste was received. $(608(1))$ (decomposed)	th &f): (1)	t _3		X
	e)	Retain copy on-site. (608(1)(e): 264.71(a)	(5)) (1)	t_3		$\leq$
24.	shij	applicable, comply with requirement for bult pments of hazardous waste by rail or water hsporter. (608(2): 264.71(b))	( I )	t_3		$\overline{\lambda}$
25.	dis	ify the Director if a significant crepancy is not corrected with the erator with in 15 days. (608(4): 264.72))	(I)	[_]	-	$\geq$
26.	Doe	RECORDKEEPING (Rule 609: 40 CFR 264.73) s the owner/operator maintain an operating	record /	VA		
	on-	site with the following information recorde	d.			
	a)	Description and quantity of hazardous wast received and method(s)/ date of its treatm storage or disposal. $(609(1)(a): 264.73(b)$	ent,	[_]	*****	4
	b)	Location & quantity of each hazardous wast the facility (cross-referenced to specific manifest $\#$ ) on a map. ( $609(1)(b):264.73(b)$		[_]		
	c)	Records and results of all waste analysis, trial tests, monitoring data, and operator inspections. $(509(1)(c): 264.73(b)(3))$	(11)	t_3		
	d)	Reports detailing all incidents that requising lementation of the Contingency Plan. $(609(1)(d): 264.73(b)(4))$	red (II)	[_1_		
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		Violation Class	Yes	<u>No</u>	N/A
e)	Records & results of inspections in $264.15$ (question 11). $(609(1)(e): 264.73(b)(5))$	(11)	ťχ		
f)	If required, monitoring, testing or analyte when required by construction permit or operating license. (609(1)(f): 264.73(b)(6		ť <sup></sup> J	-9	***
رو کے	Notices to generator (question 4) and recorrejected loads. (609(1)(g&h): 264.73(b)(7)		[_]		3
W.	Closure and post-closure cost estimates. $(609(1)(j): 264.73(b)(8))$	(II)	[_]		
i)	Annual certification by permittee that a pris in place to reduce the volume and toxical of hazardous waste he generates and activition—site use methods to minimize threat to health and environment. (264.73(b)(9)).	ity ties numan (I)	( _ <u>]</u>	<del></del>	3
j)	If applicable, quantity and date of placeme of in a land disposal unit of waste with an extension to the land disposal restriction. (609(1)(k): 264.73(b)(10))	1	[_]		
<b>k)</b>	For off-site treatment, a copy of notice or certification/demonstration from the general (60,9(1)(1): 264.73(b)(11))		[_]		$\preceq$
1)	For on-site treatment, information contains a notice (except manifest #) or certificati demonstration. (609(1)(m): 264.73(b)(12))	ed in Lon/ (II)	[_]		$\geq$
m )	For off-site land disposal, a copy of notice certification/demonstration from the general $(609(1)(n); 264.73(b)(13))$	e or ator. (II)	[_]	<del></del>	$\leq$
n)	For on-site land disposal, information cont in a notice (except manifest #) or certific demonstration. (609(1)(o): 264.73(b)(14))		ť_1	***************************************	$\preceq$
۵)	For off-site storage, a copy of notice or certification/demonstration from the general (264.73(b)(15))	ator.	[_]		$\leq$
<b>p)</b>	For on-site storage, information contained a notice (except manifest #) or certificati demonstration. (264.73(b)(16))		C_3		
q)	Any other records required to be kept by the operating license. $(509(1)(p))$	ne (N/A)	t1		$\leq$

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1	· · · · · · · · · · · · · · · · · · ·	iolation Class	Yes	<u>No</u>	<u>N/A</u>
27.	Are all required records maintained and available for inspection. (609(2&3): 264.74(a).	) (11)	18		· woo
Сомме	ents:				
<del></del>				•	
	REPORTING (Rule 610: 40 CFR 264.75	<u>- 264.76</u>	_)_		
28. L	Has the owner/operator submitted a biennial report the Regional Administrator by March 1 of even numbered years. (610: 264.75)	ort to	$\swarrow$	***************************************	· · · · · ·
<del>2</del> 9.	If hazardous waste is received from off-site has (610(2): 264.76)	<b>5</b> :			
	a) The facility accepted any waste without a manifest or shipping paper.	(I)	· · · · · · · · · · · · · · · · · · ·	C_1	*
	b) If 'a' is yes, was the Director provided wi a report with in 15 days.	th (I)	[_]		#
30.	Has the owner/operator of a hazardous waste distreatment on the site of generation submitted a monthly report to the Director. $(610(3))$		t_1		
	ENVIRONMENTAL MONITORING (Rule	<u>611)</u>			
31.	If applicable, has the TSDF carried out their environmental monitoring program.	(N/A)	$4\sqrt{1}$		2
	RELEASES FROM SOLID WASTE MANAGEMENT UNITS	<u>(264 St</u>	<u>ibpart</u>	<u>E)</u>	
32.	Did owner/operators comply with 264.101 for all solid waste management units.	(I)	t j	<del></del>	7
	Did facilities with surface impoundments, waste and land treatment units receiving waste after comply with 264.91 thru 264.100 in lieu of 264. releases to the upper-most aquifer (see exception (264.90(a)(2)&(b))	7-26-82 101 for	[_]	. —	$\swarrow$
3 i /	Did the owner/operator subject to this subpart conduct a monitoring/response program. (264.91	) (1)	£ _1	<del></del>	$\overline{\lambda}$
**	Did the owner/operator comply with specifics in permit (EPA-HSWA permit). (264.92 - 254:101)	the ({)			
	See Pelint checklist				

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		Violat <u>Clas</u>		Yes	<u>No</u>	N/A
		CLOSURE AND POST-CLOSURE (Rule 613: 40 CFR	Subp	art G)	•	
35.	app: pile	s the facility have a written closure plan. If licable, do certain surface impoundment and wastes have contingent closure plans. Does the planntify: (613(1): 264.112(a&b))	(1)	r X		
	a)	Description of how each hazardous waste unit will be closed. (264.112(b)(1))	(1)			
	b)	Maximum extent unclose during the facility life with description of final closure. (264.112(b)(2))	(1)	[_]		$\geq$
	⊂)	Maximum inventory of waste. (264.112(b)(3))	(I)	[_]		$\leq$
	d)	Description of steps to remove or decontaminate equipment, soils, etc. $(264.112(b)(4))$	(I) <sub>.</sub>	M		· 
	e)	Description of other closure activities to satisfy closure performance standards. (264.112(b)(5))	(I)	\$\lambda		
$\sqrt{}$	f)	Schedule of closure activities. (264.112(b)(6))	(I)	$\mathbb{X}^{i}$	<del></del> .	
36	Is a was	written closure cost estimate available and cost adjusted for inflation. (264.142(a&b))	(I)	()		
Note:	: D:	isposal facilities need post-closure				
37.	If a	the facility have a written post-closure plan. applicable do certain surface impoundment and te piles have contingent closure plans. Does the identify: (613(1): 264.118(a&b))	(I)	r£	TOTALINA	
	a)	Description of the planned monitoring activities (i.e.: waste piles, etc.). (264.118(b)(1))	(I)	Ki		***************************************
	p)	Description of maintenance activities and the frequencies for: (264.118(b)(2))				
		<ul><li>i) Integrity of cap/final cover or other containment systems. (264.118(b)(2)(i))</li></ul>	(1)			<del></del>
		ii) Monitoring equipment. (264.118(b)(2)(ii))	(I)	ťΧ		
	c)	Name, address and phone number of person or office to contact during post-closure care period. (264.118(b)(3))	(I)	[ ]		

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М		Violation <u>Class</u>	Yes	No	N/A
38. J	Is a written post-closure cost estimate availa and was cost adjusted for inflation. (264.142)	a&b)) (I)			
28.V	If changes to the approved closure or post-cloplan were made did the owner/operator first su written request to make said changes. (264.112	bmit a	[_]		· ×
Comme	ents:				
			<u> </u>		<del></del>
					- N
Rule	614 refers to 40 CFR, Subpart I, 264.170-264.1	78			
<u>use</u>	AND MANAGEMENT OF CONTAINERS IN STORAGE (Rule	<u> 614: 40 C</u>	FR 264	<u>Subp</u>	art I)
40.	Is each container labeled or marked clearly wi the words "Hazardous Waste"? (614(1)(b)) If no, how many?		[_1		7
41.	Are containers in good condition? (264.171) If no, specifically what is their condition?	( [ )	£ )		$\times$
42.	Are containers compatible with waste in them? (264.172) If no, explain		<del></del>		
43.	Are containers stored closed? (264.173(a))		[_] ·		
44.	If no, how many?  Are containers managed to prevent leaks?	(I)	[_]	~~~~~~	
	(264.173(b)) If no, explain	(1)	t_1		7
45.	Are containers inspected weekly for leaks and defects? (264.174)	(I)	(_]		X
46.	Container storage areas must have a containment system designed and operated as follows if the waste contains free liquids or is FO20, FO21, FO22, FO23, FO26, FO27:	t			
	a) Impervious base free of cracks? (264.175(b)(l))	(1)	( _)	· — · · —	$\sum$

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		·	Viola <u>Cla</u>	tion ss	<u>Yes</u>	<u>No</u>	N/A
	b)	Sloped or otherwise designed to elevate or protect containers from contact with accumulated liquids? (264.175(b)(2))	-	(I)	£_3		2
	c)	Containment capable of holding 10% of volume of containers or 10% of largest container whichever is greater? (264.175(b)(3))		(I)	[_]		7
	d)	Run-on prevented unless capacity in excess of question 46(c)? (264.175(b)(4))	<b>5</b>	(I)	ť _1		$\geq$
	e)	Accumulated liquids (waste and/or precipitation) removed in a timely manner prevent overflow? (264.175(b)(5))	to	(I)	£_3	*****	7
<del>1</del> 7.	FO2 are ele	stored hazardous waste is solid (other than O, FO21, FO22, FO23, FO26, FO27) is the sto a sloped or otherwise designed, or containd vated or otherwise protected from contact o uids? (264.175(c))	orage ers	(I)	C3		¥
48.	15 if	ignitable and reactive wastes stored at lometers (50 feet) from property line? (Indwaste is ignitable or reactive.) (264.176 no, explain	icate	(I)	£_3		1
49.	con	incompatible wastes stored in separate tainers? (If not, the provisions of 40 CF .17(b) apply.) (264.177(a)) If no, explain		(I)	(_)		4
50.		hazardous wastes placed in containers tha viously held incompatible material (264.17		(1)		٤_3	7
51.	or	containers of incompatible waste separate protected from each other by physical barr sufficient distance? (264.177(c))		(1)	[_]		$\geq$
		PRE-TRANSPORT REQUIREMENTS (Rule 305:	<u>40</u> 0	CFR 26	2.30)		
52.	reg of	waste packaged in accordance with DOT pulations (required prior to movement hazardous waste off-site)?	ot	oserve	d	said <u> </u>	
	(Ru	ile 305(1)(a): 40 CFR 262.30).	( )	( )			
5	acc haz	waste packages marked and labeled in cordance with DOT regulations concerning ardous materials (required prior to movet of hazardous waste off-site)? (Rule			rep		
		5(1)(b)(c): 40 CFR 262.31 & 262.32(a))	( )	1) (	3		>

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Treatment/Storage/Disposal Facility Form D

<b>54</b> .	the appropriate information displayed include a warning and generator's name, address, manifest document number and waste	company rep said observed				
	code as required in 40 CFR 172.304? (Rule 305(1)(d): 40 CFR 262.32(b))	(1) [_] <u>~</u>				
55.	If required, are placards available to the transporter? (Rule 305(1)(e):	company rep said observed				
	40 CFR 262.33)	(1) [_]				
Comm	nents:					
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### PERMITTED LANDFILL INSPECTION FORM

Facil Date	ity's $N_{\rm s}$	5/90 1.D. # MID980564711	Ра	SPECTI rt 6 R A. 64	ules	
Rule	619 ref	ers to 40 CFR, Part 264, Subpart N, 264.30	0-264.	351		
			ation ass	Yes	<u>No</u>	<u>N/A</u>
		DESIGN AND OPERATING REQUIREMENTS (26	4.301)	-		
1)	unit, r	dfill (except a new landfill, new eplacement, or <u>lateral exp</u> ansion at ting landfill) must have:				
	ins	iner which is constructed and talled to prevent migration of te. The liner must be:				
	i)	Constructed of materials that have appropriate chemical properties, sufficient strength and thickness. (264.301(a)(1)(i))	(I)	[_]	<del></del>	6
	ii)	Placed on a foundation or base capable of providing support and resistance to pressure gradients. (264.301(a)(1)(ii))	(I)	[_]		$\geq$
	iii)	Installed to cover all surrounding earth likely to be in contact with waste or leachate. (264.301(a)(1)(iii))	(I)	[_]		\$
	b) A l imm	eachate collection and removal system mediately above the liner. (264.301(b))	(I)	[_]	<del></del>	$\approx$
		ar				
2)	Receive require	ed an exemption from the existing liner ements from the Director. (264.301(b))	(I)	[_]	<u></u>	
Comm	ents: _					
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(rev. 05-24-90)

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		Violation <u>Class</u>	<u>Yes</u>	<u>No</u>	N/A
3)	The owner/operator of a new landfill, new unit, replacement, or lateral expansion at an existing landfill must have:				
	a) Met the requirements of R 299.9620(2). (Rule 619(2))	(N/A)	[_]		>
	b) Two or more liners. (264.301(c))	(I)	[_]	and the second second	-X
	c) Leachate collection system above and between liners. (264.301(c))	(I)	[_]	-	#.
	OR				
	d) Approval for alternate design from Director. (264.301(d & e)	(1)	[_3		8
4)	Operates and maintains a leak detection, collection and removal system between the liners as per R 299.9622. (Rule 619(3))	(N/A)	[_]	÷	3
5)	The owner/operator must operate and maintain a run-on control system to stop flow onto active portion (minimum 25-year storm). (264.301(f))	(1)	[_]		7
6)	The owner/operator must operate and maintain a run-off system to collect and control water (minimum 25-year storm). (264.301(g))	(1)	[_]		4
7)	Were collection and holding units (ex: tanks) for run-on and run-off emptied or other wise managed right after a storm. (264.301(h))	(1)	[_]		<del>-\$</del>
8)	If landfill is subject to wind disposal is it covered or controlled to stop wind dispersal. (264.301(i))	(I)	[_]		T
Самм	ents:				
	MONITORING AND INSPECTIONS	(264.303)			
9)	During installation were liners and cover systems inspected (ex: uniformity, damage, etc.) (264.303(a))	(I)	[_]	·	$\geq$

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			Violation Class	Yes	<u>No</u>	N/A
10)		ediately after construction or installation liner(s) or cover system(s) were:				
	a)	Synthetic cover and liners inspected to ensure:				•.
		i) Tight seams and joints. (264.303(a)(1	(I)	[_]		8
		<pre>ii) Absence of tears, punctures or bliste (264.303(a)(1))</pre>	ers. (I)	C3		1
	b)	Soil-based and admixed liner and covers inspected for imperfections (ex: lenses, cracks, root holes, etc.) (264.303(a)(2)		[_]		7
11)		le a landfill is in operation, was it pected weekly and after storms for:				•
	a)	Deterioration, malfunction or improper operation of run-on and run-off control systems. (264.303(b)(1))	(I)	[_]	***************************************	2
	ь)	Proper functioning of wind dispersal system. (264.303(b)(2))	(I)	C_3		7
	c)	Presence of leachate in and proper functioning of leachate collection and removal system. (264.303(b)(3))	(I)	[_]	<del></del>	$\frac{1}{\sqrt{2}}$
		SURVEYING AND RECORDKEEPING (2	264.309)			
12)		s the owner/operator maintain the lowing in the operating record:				
	a)	A map of each cell (location & dimension). (264.309(a))	(I)	[_]		1
	ь)	Contents of cell and location of each waste type. (264.309(b))	(1)	[_3	<del></del>	*
Comm	ents	::				
						<u>, , , , , , , , , , , , , , , , , , , </u>
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		Violation <u>Class</u>	<u>Yes</u>	<u>No</u>	N/A
	SPECIAL REQUIREMENTS FOR IGNITABLE OR REA	ACTIVE WASTE	(264.	<u>312)</u>	
13)	Ignitable or reactive waste must not be placed in a landfill unless:				
	<ul> <li>a) The waste is treated, etc. before or after placement in the landfill so:</li> </ul>				
	i) The waste/mixture is no longer ignitable or reactive. (264.312(a)(1))	t- (I)	[_]		7
	ii) Taken precautions to prevent reaction which generate extreme heat, fire, gases, damage the facility, or other like means that threatens human heat & environment. (264.312(a)(2) reference to 264.17(b))	r lth	[_]		4
	EXCEPT				
	b) Ignitable waste in containers is protected for conditions/material which may cause it to ignite or react can be landfilled. (264.312(b))	(I)	C_3		7
	SPECIAL REQUIREMENTS FOR INCOMPATIBLE	E WASTES (26	4.313)	<u>_</u>	
14)	Incompatible wastes must not be placed in the same landfill cell unless 264.17(b) is complied with. (264.313)	(1)	[_]		7
	DISPOSAL OF SMALL CONTAINERS OF I		<u>TE</u>		
15)	Small containers in overpack drums may be landfilled if:				
	a) Containers are:				1/
	i) Non-leaking. (264.316(a))	(I)	[ _]		<u> </u>
	ii) Won't react, ignite or dangerously decompose with other container waste (264.316(a))	e. (I)	[_]		+
	<pre>iii) Container uses meets DOT and is sealed. (264.316(a))</pre>	(1)	[_]		X

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			Violation <u>Class</u>	Yes	<u>No</u>	N/A
	b) Ove	rpack is:				
	i)	Meets DOT. (264.316(b))	(I)	[_]	-	<u>.</u>
	ii)	Maximum 110 gallons. (264.316(b))	(I)	[ _3		#
	iii)	Sufficient absorbent used that will not react, ignite or dangerously decompose with waste. (264.316(b&c	)) (I)	£_3		$\leq$
16)	Were in same co	ncompatible wastes placed in ontainer. (264.316(d))	(I)		[_]	7
17)	Were re or sulf	eactive wastes (other than cyanide fide bearing) treated. (264.316(e))	(I)	[_]		X
		SPECIAL REQUIREMENTS FOR HAZARDOUS F022, F023, F026 AND F027.	WASTES F020, (264,317)	F021,	<del>_</del>	
18)	F027 pl	020, F021, F022, F023, F026 and laced in a landfill without an ed plan from the Director.	(I)	<u>.</u>	[_]	$\searrow$
		CLOSURE AND POST-CLOSURE CARE	(264.310)			
19)	landfi	e owner/operator close the ll in compliance 64.310 and R 299.619(5).	(I)	_		10/27 7
CO			. /			······
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# RCRA LAND DISPOSAL RESTRICTIONS INSPECTION

I. General Information		<u> </u>	) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		_
Facility:	<del></del>	,		elle M va	<u></u>
U.S. EPA ID No.:		0940 F		. 6	
Street:		Wood +			. (
City:	Alle	N Paula	Star	ie: <u>MT</u> Zip	:44/JC)
Telephone:	31	5-390-	-3J.09		A
Inspection Date:		Time:	(8	nm/pm)	
Weather Conditions:		<u> </u>			
Inspectors:	Name -Luc			Tele 313-9	
Facility Representative	ස: <u> </u>	of the	W. IUNI		174 DIO
See Appendix B to de	termine which  Generate	of the following	g LDR waste co	ategories the fa	cility manages: <u>Dispose</u>
F001-F005 Solvents			<del></del>		,
F020-F023 and F026-F028					
California List *					
First Third [40 CFR 268.10]	<del></del>	<del></del>			
Second Third [40 CFR 268.11]					
Third Third [40 CFR 268.12]					
* See Annendix A					

	14.	• •	**	
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## INSPECTION SUMMARY

Processes That Generate LDR Wastes:

facility Notin operation yest

LDR Waste Management:

Summary:

Signature:

•
•

### RCRA LAND DISPOSAL RESTRICTION INSPECTION

#### IV. TSD REQUIREMENTS

Waste	e Analysis	[40 CFR 26	8.7(b), 264.13, and	265.13]					
1.	Does the	: waste analy 264.13(b)(6	ysis plan address th 6) and 265.13(b)(6)	e following LDR	waste categorie	s?			
	F001-F0	05 Spent So	lvents	Yes	No	NA 👌			
	F020-F0	23 and F026	5-F028 Dioxins	Yes	No	na 蚉			
	Californ	ia List Wast	es	Yes	No	na 📐			
	First, Se	cond, and T	hird Third Wastes	Yes 🔀	. No	NA			
	Comme	nts							
2.	Has the	waste analys	sis plan been revise	ed to address F039	multi-source le	achate?			
	Yes	No_	NA <u>&gt;</u>	5					
3.	What da	What date was the waste analysis plan last revised?/, VT							
<del>\$ 4</del> .	Does an	Does analytical data contain all the information required to treat, store, or dispose of restricted wastes? [40 CFR 264.13(a)(1) and 265.13(a)(1)]							
	Yణ $\succeq$	Yes \( \sum \) No							
		If yes, which of the following are sources of analytical data? (More than one may apply.):							
	Fac	Generator provides data Facility performs analyses in on-site laboratory Facility contracts analyses at off-site laboratory							
		If the generator provides data, does the facility provide corroborative testing? [40 CFR 264.13(a)(2) and 265.13(a)(2)]							
·	Yes	No	NA <u>&gt;</u>						
	If analy	If analyses are conducted off site, identify lab:							
	a.	a. Are wastes with treatment standards specified in 40 CFR 268.41 analyzed using the toxicity characteristic leaching procedure (TCLP)?* (BDAT** = stabilization/immobilization technology) [40 CFR 268.7(b)(1)]							
		Yes	No	NA					
		*See Appendi: **SDAT = bes	x C for exceptions. t demonstrated avail	able technology. S	ee Appendix A.				

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		test, frequency of testing, and note any problems. Attach test results. [40 CFR 264.73 (b)(3) and 265.73(b)(3)]
		b. Are wastes with treatment standards specified in 40 CFR 268.43 analyzed using total constituent analysis?* (BDAT = destruction/removal technology [40 CFR 268.7(b)(3)]
		Yes No NA <u>\</u>
	•	*See Appendix C for exceptions.
		If yes, list the wastes for which total constituent analysis was used and provide the date of last test, frequency of testing, and note any problems. Attach test results. [40 CFR 264.73 (b)(3) and 265.73(b)(3)]
		c. Is the paint filter liquids test (PFLT) used to determine if California List wastes are contained in <i>liquid</i> hazardous waste? [40 CFR 268.32(i)]
		Yes No NA
		If yes, list the wastes for which PELT was used and provide the date of last test, the frequency of testing, and note any problems. Attach test results. [40 CFR 264.73(b)(3) and 265.73(b)(3)]
. 4		
₩ B.	Opera	ting Record [40 CFR 264.73 and 265.73]
	1.	Does the operating record contain records and results of waste analyses performed a specified in 40 CFR 268.4 and/or 40 CFR 268.7(b)? [40 CFR 264.73(b)(3) and 265.73(b)(3)]
		Yes No NA
	2.	Does the operating record contain copies of LDR notifications and certifications?* [40 CFR 264.73(b)(11), (13), and (15)] and 40 CFR 265.73(b)(11), (13), and (15)]
		Yes No
		*Include both those received from generators, and those prepared for off-site shipments.
	3.	Does the operating record include appropriate documentation for restricted wastes which are managed wholly on site? [40 CFR 264.73(b)(12), (14), and (16) and 265.73(b)(12), (14), and (16)]
		Yes No NA

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		management	of wastes previo	cussed in points 2. and 3. reflect proper historical pusly covered under expired national capacity variances, the soft hammer provision?*
		Yes	No	NA
		PROBERMONT STAN	soft hammer prov dards established ity yariance to (	vision expired as of 05/08/90. Soft hammer wastes which had in the Third Third rule were granted a minimum 90-day 08/08/90.
	Storag	e [40 CFR 268	3.50]	
	1.	Are prohibite		ed on site in containers?
		Yes	No	(If No, go to 2.)
		*See Appendix	E for distinction	n between restricted and prohibited wastes.
		Are all conta storage? [40	iners clearly ma CFR 268.50(a)	arked to identify the contents and date(s) entering (2)(i)]
		Yes	No	
		Have wastes regulations v	been stored for went into effect	r more than one year since the applicable LDR?
		Yes	No	(If No, go to 2.)
		Can the faci recovery, tre	lity show that su eatment, or disp	uch accumulation is necessary to facilitate property osal? [40 CFR 268.50 (c)]
		Yes	No	
-		If yes, state	how:	
	2.	Are prohibi	ted wastes store	ed on site in tanks?
		Yes	No 🄀	(If No, go to 3.)
		hazardous v	waste received, a recorded and r	d with a description of the contents, the quantity of each and date each period of accumulation begins, or is such naintained in the operating record? [40 CFR ·
		Yes	No	
		Have tanks went into e	been emptied a	at least once per year since the applicable LDR regulations
		Yes	No	(If Yes, go to 3.)

C.

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		recovery, treat	ment, or dispos	al? [40 CF	R 268.50	)(c)]		,p
		Yes	No					
		If yes, state ho	W			Americ		
	3.		ty store liquid h equal to 50 pp		waste co	ntaining PCE	Bs at con	centrations
		Yes	No 🔀	(If No, g	o to D.)			
		Does the facili	ty meet the TS	CA criteri	a in 40 C	FR 761.65(b	)? [40 C	FR 268.50(f)]
		Yes	No					
		Have these wa	stes been store	d for more	e than on	e year? [40 C	CFR 268.	50(f)]
		Yes	No					
D.	Treatr	nent						
	1.		ity treat restrict				-	
		Yes	No 🄀	(If No,	do not co	mplete this s	ection. (	Go to E.)
	2.	Are required to specified in 40	echnologies use CFR 268.42?	ed to treat [40 CFR 2	t wastes v 268.40(b)	which have tr	eatment	standards
		Yes	No	NA	(	If Yes or NA	., go to 3.	.)
		Was an altern	ative method a	pproved?				
		Yes	No					
		List each wast method. Che 268.42(b)]	e code, the tecl ck if approval o	hnology sp f the alter	ecified in native mo	n 40 CFR 260 ethod is docu	8.42, and imented.	the alternative [40 CFR
		Waste Code	Required Tec	hnology	<u>Alterna</u>	tive Method		Approval
	3.	from lab pack in compliance [40 CFR 268.	s containing D( with the subpa 42(c)(4)]	004, D005 art D treat	, D006, D	0007, D008, I	D010, and	erator residues d D011 treated acteristic wastes?
		Yes	No	NA				

Des	ibe all other waste codes and treatment processes:	
<u>Was</u>	: Code Treatment Processes	
, Cha	cteristic wastes:	
	40 CFR Part 268 treatment standard lower than the 40 CFR Part 261 cteristic level?*	
Yes	No	
*Thi and char	applies to both concentration based treatment standards specified in 40 CFR 268.41 8.43, and to some 40 CFR 268.42 required methods which result in treatment below the teristic level. See Appendix 0.	2
trea	does the facility manage the waste as restricted until 40 CFR Part 268 nent standards are met, even after the waste is rendered non-hazardous? [40 268.9(d)]	
.Yes	No	
Cor	nents	
Dilı	on Prohibition [40 CFR 268.3]:	
a.	Does the facility mix prohibited wastes with different treatment standards?	
	Yes No (If No, go to c.)	
	List the wastes	_
ъ.	Are the wastes amenable to the same type of treatment? [55 FR 22666]	
	Yes No	
	If yes, is this method used for the aggregated wastes?	
	Yes No	
	Comments	
c.	Based on an assessment of points a. and b., or any other relevant informatio is dilution used as a substitute for treatment? [40 CFR 268.3(a)]	n,
	Yes No	
	Comments	

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7.	Does the facility, in accordance with an acceptable waste analysis plan, test residues from all treatment processes? [40 CFR 268.7(b)]					
	Yes	No				
	Comments					
8.		lity ship any characteristic wastes which have been rendered non- a Subtitle D facility?				
. 55	Yes	No (If No, go to 9.)				
	Complete the	e following table:				
	Waste Code	Receiving Facility				
	Are a notifica Administrato	ation and a certification for each shipment sent to the Regional or or authorized State? [40 CFR 268.9(d)(1) and 268.7(b)(5)]				
	Yes	Νο				
9.	Does the faci	ility ship any wastes or treatment residues to an off-site land disposal				
	Yes	No (If No, go to 10.)				
	Complete the	e following table:				
	Waste Code	Receiving Facility				
	·					
		ation and a certification provided to the land disposal facility with each ent? [40 CFR 268.7(b)(4) and 40 CFR 268.7(b)(5)]				
	Yes	No				
10.		cility ship any wastes or treatment residues to be further managed at a attempt or storage facility?				
	Yes	No (If No, go to E.)				

		Complete the following table:
		Waste Code Receiving Facility
		Are appropriate generator notifications and certifications provided to the receiving facility with each waste shipment? [40 CFR 268.7(b)(6)]
		Yes No
E.	Surfa	ace Impoundments [40 CFR 268.4]
	1.	Are restricted wastes placed in surface impoundments for treatment?
		Yes No (If No, go to F.)
	•	List
	2.	Are evaporation or dilution the only recognizable treatment occurring in the surface impoundment? [40 CFR 268.3(a) and 268.4(b)]
		Yes No
	•	Comments
	3.	Has the facility submitted to the Agency a waste analysis plan and certification of compliance with minimum technology requirements and ground-water monitoring requirements? [40 CFR 268.4(a)(4)]
		Yes No
	4.	If the minimum technology requirements have not been met, has a waiver been granted for that unit? [40 CFR 268.4(a)(3)(ii)]
		Yes No NA
	5.	Are representative samples of sludge and supernatant from the surface impoundment tested separately, acceptably, and in accordance with the sampling frequency and analyses specified in the waste analysis plan? (Attach test results.) [40 CFR 268.4(a)(2)(i)]
		Yes No
	6.	Does the operating record adequately document the results of waste analyses performed in accordance with 40 CFR 268.4? [40 CFR 264.73(b)(3) and 265.73(b)(3)]
		Yes No
		Comments

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	7.	Do the treatm standards/prob			ids) exceed applicable treatmen	it 🦸
		Sludge Supernatant	Yes	No	Waste Code	
					ed on treatment residues:	٠
	8.	If sludge resid an annual basi	ues exceed tro s? [40 CFR 2	eatment standa (68.4(a)(2)(ii)]	ards/prohibition levels, are they	removed on
		Yes	No	NA		
		Comments				
		Are residues s 268.4(a)(2)(iii	ubsequently 1 )]	nanaged in and	other surface impoundment? [4	0 CFR
	,	Yes	No			
	9.	If supernatant greater than in	is determined	i to exceed tre volume? [40 (	atment standards, is annual thro CFR 268.4(a)(2)(ii)]	oughput
		Yes	No	NA		
	•	Comments	. '.			
F.	Land	Disposal				
-4.	1.	Are restricted impoundment concrete vault	s*, waste pile:	s, land treatme	and in units such as landfills, sur nt units, salt domes/beds, mines/ .2(c)]	face/caves,
		Yes 🔀	No	(If No, go	to G.)	
		*Note: Do not	include surfac	e impoundments a	ddressed in E.	
		If yes, specify	which units ar	nd what wastes	each unit has received:	
		<u>Unit</u>		$\underline{W}_{S}$	<u>iste</u>	
			The fields and the field of the			
	2.	wastes prior to	land disposa	l to ensure tha	ceptable waste analysis plan, tes t all applicable treatment standa R 268.7(c)(2)]	t prohibited ards and/or
	•	Yes	No			
		Comments	Not	apell or	Ting Vet	
					•	

Yes	No	· NA
*Kots: A w the	maste may exceed a nt characteristic	a characteristic level only if the treatment standard for has been met.
Does the operformed 265.73(b)(	l in accordance v	i adequately document the results of waste analyses with 40 CFR 268.7(c)? [40 CFR 264.73(b)(3) and
Yes	No	
If yes, at w	hat frequency a	are analyses performed?
		oose of restricted wastes which are not prohibited?
Yes	No	(If No, go to 6.)
List waste	codes in appro	priate category below:
Case-By-(	Case Extension	(40 CFR 268.5)
Case-By-C No-Migra Treatment Does the copy of the restricted	Case Extension attion Petition (4) at Standard Vari	(40 CFR 268.5) 0 CFR 268.6) Innce (40 CFR 268.44) od contain records of the quantities, date of placement, a diffication [40 CFR 268.7(a)(3)] for each shipment of a case-by case extension or no-migration petition? [40]
Case-By-C No-Migra Treatmen Does the copy of the restricted CFR 264.	Case Extension attion Petition (4) at Standard Various operating recorde generator not waste subject to	(40 CFR 268.5) 0 CFR 268.6) Innce (40 CFR 268.44)  od contain records of the quantities, date of placement, a tification [40 CFR 268.7(a)(3)] for each shipment of the a case-by case extension or no-migration petition? [40 265.73(b)(10)]
Case-By-Case-B	Case Extension ation Petition (4) at Standard Varioperating recorner generator not waste subject to .73(b)(10) and 2	(40 CFR 268.5) 0 CFR 268.6) lance (40 CFR 268.44)  od contain records of the quantities, date of placement, a diffication [40 CFR 268.7(a)(3)] for each shipment of the a case-by case extension or no-migration petition? [40 265.73(b)(10)]  NA
Case-By-C No-Migra Treatment Does the copy of the restricted CFR 264. Yes Do land of case-by-c	Case Extension ation Petition (4) at Standard Varioperating recorner generator not waste subject to .73(b)(10) and 2	(40 CFR 268.5) 0 CFR 268.6) clance (40 CFR 268.44) d contain records of the quantities, date of placement, a tification [40 CFR 268.7(a)(3)] for each shipment of a case-by case extension or no-migration petition? [40 265.73(b)(10)]  NA ceiving wastes covered by a national capacity variance or seet the requirements in 40 CFR 268.5(h)(2)?
Case-By-C No-Migra Treatmen Does the copy of th restricted CFR 264. Yes Do land of case-by-c Yes If the fac	Case Extension of the Extension Petition (4) at Standard Variate Standard Variate Standard Variate Standard Variate Standard Variate Subject to 1.73(b)(10) and 2 No  disposal units recase extension management of the Indiana No	(40 CFR 268.5) 0 CFR 268.6) cance (40 CFR 268.44) cd contain records of the quantities, date of placement, as diffication [40 CFR 268.7(a)(3)] for each shipment of a case-by case extension or no-migration petition? [40 265.73(b)(10)]  NA ceiving wastes covered by a national capacity variance or seet the requirements in 40 CFR 268.5(h)(2)?  NA by-case extension, is progress being made as described in
Case-By-C No-Migra Treatmen Does the copy of th restricted CFR 264.  Yes Do land of case-by-c Yes If the fac reports to	Case Extension of the properties of the standard Variation Petition (4) at Standard Variation operating record egenerator not the waste subject to 173(b)(10) and 2  No	d contain records of the quantities, date of placement, a diffication [40 CFR 268.7(a)(3)] for each shipment of a case-by case extension or no-migration petition? [40 265.73(b)(10)]  NA  ceiving wastes covered by a national capacity variance or seet the requirements in 40 CFR 268.5(h)(2)?  NA  by-case extension, is progress being made as described in Administrator?
Case-By-C No-Migra Treatment Does the copy of the restricted CFR 264.  Yes Do land coase-by-coas	Case Extension of the Petition (4 at Standard Variation Petition (4 at Standard Variation perating record egenerator not waste subject to 73(b)(10) and 2  No	(40 CFR 268.5) 0 CFR 268.6) cance (40 CFR 268.44) cd contain records of the quantities, date of placement, attification [40 CFR 268.7(a)(3)] for each shipment of a case-by case extension or no-migration petition? [40 265.73(b)(10)]  NA ceiving wastes covered by a national capacity variance or eet the requirements in 40 CFR 268.5(h)(2)?  NA by-case extension, is progress being made as described in Administrator?

•	18.	•	Ts.	•	··.	

Other	Wastestreams
1.	Does the facility generate wastes other than residues from RCRA treatment units?
	Yes No (If No, go to H.)
2.	On-Site Management
	a. If characteristic wastes are treated in systems regulated under the Clean Water Act, have the following been documented: the determination of restriction, how restricted wastes are managed, and why wastes discharged pursuant to an NPDES permit are not prohibited (if applicable)? [55 FR 22662]
	Yes No NA
	b. If characteristic wastes are treated in RCRA exempt units to render them non-hazardous, are the wastes managed as restricted until 40 CFR Part 268 treatment standards are met?* [40 CFR 268.9(d)]
	Yes No NA
	"This applies to both concentration based treatment standards specified in 40 CFR 268.41 and 268.43, and to some 40 CFR 268.42 required methods which result in treatment below the characteristic level. See Appendix D.
3.	Off-Site Management: Waste Exceeds Treatment Standards
	Are wastes that exceed treatment standards/prohibition levels (not subject to a national capacity variance) shipped to an off-site treatment or storage facility?
	Yes No (If No, go to 4.)
	Identify wastes code(s) and off-site treatment or storage facilities to which wastes are shipped.
	Waste Code Receiving Facility
	Are LDR notifications provided for each shipment to the treatment or storage facility? [40 CFR 268.7(a)(1)]
	Yes No (If No, go to 4.)

G.

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	If alter require	native treatme ed in 40 CFR 2	nt standards a 68.7(a)(7) or	are specified (8) included	for lab packs, is the certification with the notification?
	Yes	No_	_ NA	alessarios -	
4.	Off-Sit	e Managemen	t: Wastes Me	eets Treatmer	nt Standards
	<b>a.</b>	Are wastes the off-site dispo		ment standar	ds/prohibition levels shipped to an
		Yes ·	No	(If No, g	go to 5.)
٠		Identify wast	e code(s) and	off-site dispo	osal facilities:
		Waste (	Code Re	ceiving Facili	ity
		i			
				1	
					ns provided for each shipment to the i) and 268.7(a)(2)(ii)]?
		Yes	No	(If No, g	go to b.)
	ъ.				een rendered non-hazardous (in a itle D facility?
	-	Yes	No	NA	(If No or NA, go to 5.)
		Complete th	e following ta	able:	
		Waste	Code Re	eceiving Facil	lity
				1-140-11	· · · · · · · · · · · · · · · · · · ·
		Are a notific	cation and a c or or authoriz	ertification fo zed State? [40	or each shipment sent to the Regional OCFR 268.9(d)(1) amd 268.7(b)(5)?
		Yes	No		

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5.	Off-Sit	e Management: Wastes Subject to Variances, Extensions, or Petitions					
	a.	Are wastes that are subject to a national capacity variance (40 CFR Part 268, Subpart C) or a case-by-case extension (40 CFR 268.5) shipped to a treatment, storage, or disposal facility?					
		Yes No (If No, go to 6.)					
		Complete the following table:					
		Waste Code Receiving Facility					
		· ·					
	•						
	b.	Are LDR notifications (stating that the waste is not prohibited from land disposal) provided for each shipment to the off-site receiving facility? [40 CFR 268.7(a)(3)]					
		Yes No					
6.	Diluti	on Prohibition [40 CFR 268.3]:					
	<b>a.</b>	Are prohibited* wastes with different treatment standards mixed?					
		*See Appendix E for distinction between restricted and prohibited wastes.					
		Yes No (If No, go to b.)					
		List the wastes					
		Are the wastes amenable to the same type of treatment? [55 FR 22666]					
		Yes No					
		Comments					
	b.	Are prohibited wastes diluted to meet treatment standard criteria, or render them non-hazardous? [55 FR 22665-22666]					
	•	Yes No (If No, go to c.)					
		Check appropriate category:					
		Dilutes to meet treatment standards Dilutes to render waste non-hadardous					

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	CFR 268.3(b)]
	Managed in treatment systems regulated under the Clean Water Act
	Non-toxic* characteristic wastes  Treatment standard specified in 40 CFR 268.41 or 268.43
	*Non-toxic = D001 (except high TOC nonwastewaters), D002, and D003 (except cyal and sulfides). [55 FR 22666]
	If the wastes do not fall into the above categories, briefly describe the conditions under which they were diluted.
<b>c.</b>	Based on an assessment of points a, and b., and any other relevant circumstances, are prohibited wastes diluted as a substitute for adequate treatment? [40 CFR 268.3(a)]
	Yes No
	Comments
dditional (	Comments, Concerns, or Issues Not Addressed in the Checklist:
dditional (	Comments, Concerns, or Issues Not Addressed in the Checklist:

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